



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, Washington 98101**

September 30, 2003

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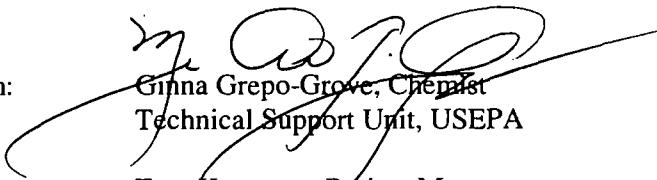
Reply to
Attn of: OEA-095

OCT 3 2003

Environmental Cleanup Office

MEMORANDUM

Subject: Data Validation Report for Semi-volatile Organic Compounds (SVOCs) full scan with Tentatively identified Compound (TICs), SVOCs using Selected Ion Monitoring (SIM) for low detection limit Polynuclear Aromatic Hydrocarbons (PAHs) and other SVOCs, Pesticide (Pest), PCB Aroclors (PCBs), Butyl Tins, Metals, and Percent Lipids (% lipids) Analyses of Fish and Clam Tissue Samples Collected for the Portland Harbor RI/FS Round 1 Sampling Event

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The quality assurance (QA) review of the analytical data generated from the analysis of 23 fish and 2 clam tissue samples collected from the above referenced site has been completed. The SVOC full scan and SVOC SIM analyses were performed by Analytical Resources, Inc (ARI) located in Tukwila, WA. The rest of the analyses, i.e., pests, PCBs, butyl tins, metals, and % lipids were performed by Columbia Analytical Services (CAS) located in Kelso, WA. The two clam tissue samples were analyzed for butyl tins only. Table 1 lists the samples that were evaluated in this validation report and the collection date and verified time of sample receipt (VTSR) in the labs.

Table1 -Sample Numbers, and Dates of Sample Collection and VTSRs

Sample Number	ARI Lab Numbers	CAS Lab Numbers	Collection Date	VTSR at ARI	VTSR at CAS
LWG01FZ0609TSBBWBC10	-	K2300044-001	10/07/02	-	12/23/02
LWG01FZ0609TCBBWBC20	-	K2300044-002	10/03/02	-	12/23/02
LWG01FZ0609TSBBWBC30	-	K2300044-003	10/02/02	-	12/23/02
LWG01FZ0306TSBBWBC10	-	K2300044-04	09/24/02	-	12/23/02

Sample Number	ARI Lab Numbers	CAS Lab Numbers	Collection Date	VTSR at ARI	VTSR at CAS
LWG01FZ0306TSBBWBC20	-	K2300044-005	09/24/02	-	12/23/02
LWG01FZ0306TSBBWBC30	-	K2300044-006	09/23/02	-	12/23/03
LWG0106R002TSSPWBC20	-	K2300044-007	10/07/02	-	12/03/02
LWG0106R004TSSPWBC00	-	K2300044-008	09/24/02	-	12/03/02
LWG0107R003TSSPWBC00	-	K2300044-009	08/16/02	-	12/03/02
LWG0107R006TSSPWBC00	-		11/07/02	-	12/03/02
LWG0108R002TSSPWBC00	-	K2300044-012	K2300044-010		12/03/02
LWG0108R003TSSPWBC00	-	K2300044-013	10/08/02		12/03/02
LWG0109R001TSSPWBC00	-	K2300044-014	08/13/02		12/03/02
LWG0103R001TSSPWBC00	FA37A	K2300044-015	07/23/02	12/02/02	12/03/02
LWG0103R002TSSPWBC10	FA37B	K2300044-016	09/03/02	12/02/02	12/03/02
LWG0105R001TSSPWBC00	FA37C	K2300044-017	7/31/02	12/02/02	12/03/02
LWG0109R002RSSPWBC00*	FA37D	K2300044-018	08/15/02	12/02/02	12/03/02
LWG0106R002TSSPWBC10	FA37E	K2300044-019	08/09/02	12/02/02	12/03/02
LWG01FZ0609TSBBWBC10MS	-	KWG0304486-1	10/07/02	-	12/23/02
LWG01FZ0609TSBBWBC10DM	-	KWG0304486-2	10/07/02	-	12/23/02
LWG0103R014TSLSWBC10	FA39A	-	07/22/02	12/02/02	-
LWG0108R010TSLSWBC00	FA39B	-	08/12/02	12/02/02	-
LWG0105R006TSLSWBC00	FA39C	-	07/29/02	12/02/02	-
LWG01FZ0609TSLSWBC00	FA39D	-	08/07/02	12/02/02	-
LWL0109R006TSLSWBC00	FA39E	-	08/14/02	12/02/02	-
LWG0106R002TSCAWBC00	-	K2303135-001	10/24/02	-	04/28/03
LWG0107ROO6TSCAWBC00	-	K2303135-003	11/12/02	-	04/28/03
LWG0106R002TSCAWBC00MS	-	KWG0306866-	10/24/02	-	04/28/03
LWG0106R002TSCAWBC00D	-	KWG0306866-2	10/24/02	-	04/28/03

* "RS" is not included in the sample matrix code defined in the FSP. Also this sample is not listed in the chain-of-custody documentation. This sample needs to be verified. The sample name could be LWG0109R002TSPPWBC00.

Table 2 lists the suite of parameters, clean-up and analytical methods used in the analyses:

Parameters	Methods	
	Clean-ups	Analysis
SVOC SIM (PAHs)	3640A; 3630A	SW846 - Modified Method 8270C SIM
SVOCs (full scan w/ TICs)	3640A	SW846 - Method 8270C
PCB (Aroclors)	3640A; 3620C; 3665A	SW846 - Method 8082
Pesticides	3640A; 3620C	Analysis: SW846- Method 8081A
Butyl Tins	Stallard	GC/FPD
Metals including mercury		SW 846 Methods: 6010, 6020, 7740 and 7471 A
% lipids		prep - Method 3540. PSEP analysis

DATA QUALIFICATIONS

The following comments refer to the laboratories' performance in meeting the Quality Control specifications outlined in the Quality Assurance Project Plan, the laboratory's Standard Operating Procedures, the analytical methods listed above and the Contract Laboratory Program's National Functional Guidelines for Organic and Inorganic Data Review. Some of the data quality elements were qualified using the reviewer's professional judgment.

The conclusions presented herein are based on the information provided for the review.

Chain-of Custody (COC) Records

The COC documentation for the samples listed above were complete except for sample LWG0109R002RSSPWBC00 (K2300044-018) reported by CAS. This sample is not listed in the COCs submitted with the data packages. This sample number needs to be verified and corrected because the FSP does not include an "RS" code for sample matrix.

Sample Homogenization and Condition upon Receipt

Axys Analytical Services (Axys) homogenized all of the tissue samples, distributed the aliquots and shipped them to ARI and CAS for subsequent analysis. The tissue samples were received in the laboratories frozen. The temperature blank in each cooler registered surface temperatures ranging from 2-4 °C. There were no problems encountered during sample receipt.

Holding Time - Acceptable

All of the samples were received frozen by the laboratory. Each of the sample container was stored

frozen at -20C in individual Ziploc bags until homogenization, extraction and analysis. All of the samples met both the extraction and analytical holding times criteria specified in the QAPP and the methods for each suite of parameters. None of the data were qualified on this basis.

Sample Preparation

All of the samples were prepared in accordance with the methods/SOPs specified in the QAPP. All of the samples for organic analyses went through the initial GPC clean-up. Additional clean-up techniques and multiple analyses were employed for each suite of organic parameters to remove interferences and achieve lower reporting limits. None of the data were qualified on this basis.

Target Compounds and Reporting Limits

All of the target compounds were reported on a wet-weight basis and were adjusted for sample amount extracted and dilution factors.

Metals: All of the metals target analytes were reported at a higher reporting limits (MRLs) than the MRLs specified in the QAPP. Only copper, manganese, nickel and zinc met the EPA established ACGs listed in the QAPP.

Pesticides: All of the pesticide MRLs met the MRLs listed in the QAPP with the exception of the following compounds reported at higher MRLs: beta-BHC, dieldrin, endosulfan II, 2,4'-DDD, cis-nonachlor and toxaphene. Also, some of the MRLs reported were raised by the reviewer due to interferences caused by other organic material and PCBs native to the samples

Larger sample amounts, special extract clean-ups and large volume injectors were used by the labs to get their reporting limits about 10x lower than the commonly used CLP reporting limits. Even with these sample processing modifications, only the compounds endosulfan I, endrin, hexachlorobutadiene, methoxychlor, mirex and hexachloroethane's MRLs met the tissue ACGs listed in the QAPP for pesticides.

Hexachlorobutadiene, hexachlorobenzene and hexachloroethane were also analyzed as part of the SVOC-SIM target list. It is recommended that data users utilize the hexachlorobenzene and hexachlorobutadiene results from the pesticide analysis.

PCBs as Aroclors: The PCBs were reported at the MRLs specified in QAPP. None of the QAPP-specified ACGs for Aroclors 1242, 1248, 1254 and 1260 were met.

SVOCs: All of the samples went through a series of fractionation clean-ups developed by the lab for this project. All of the compounds listed for SVOCs analysis in the QAPP were analyzed by the lab using full scan Method 8270C. The following compounds were added by the lab to the SVOC list: 2,3,4,6-tetrachlorophenol, 2,3,4,5-tetrachlorophenol, 2,3,5,6-tetrachlorophenol and 1,2-diphenylhydrazine (reported as Azobenzene) as these compounds could not be analyzed using 8270-SIM as specified in the QAPP because they are stripped and lost during the 8170-SIM silica gel clean-up process. Benzoic acid, aniline and isophorone were also stripped off during the clean-up processes and were not reported as target analytes by the lab.

SVOCs SIM: This analysis was designed to get lower reporting limits for PAH's and other SVOC compounds. All of the samples for this analysis went through special extract clean-up techniques prior to analysis. The laboratory had problems with phthalate contamination in both SVOC full scan and SVOC SIM analyses. This phthalate contamination problem will be discussed further in the Blanks section of this validation report. The laboratory analyzed the samples in accordance with the method/SOP specified in the QAPP.

Butyl Tins GC/FPD: The reporting limits and ACGs listed for butyl tins in the QAPP were met by all analyses.

% lipids: This parameter was performed in accordance with the PSEP protocols. % lipids of the samples ranged from 2-6%.

Instrument Performance

All of the instruments used in the analyses met the instrument performance criteria, the calibration requirements, the established retention time (RT) windows and the analytical sequence specified by the analytical methods. All of the samples were analyzed during an acceptable 10-12 hour analytical period and the instruments used remained stable throughout the course of analyses as indicated by the QC standards analyzed at the end of each period. None of the data were qualified on this basis.

Initial Calibrations - Acceptable

The initial calibrations performed for each suite of parameters met the technical acceptance criteria and the required frequency of analysis specified in the analytical methods. The initial calibrations included the analysis of at least one low standard at the laboratory's Method Reporting Limits (MRL). None of the data were qualified on this basis.

Metals using ICP-AES: Chromium and aluminum (for sample LWG01FZ0609TSBBWBC10) were analyzed using the ICP-AES Method 6010B. The ICP-AES instrument was initially calibrated according to method specifications. The initial calibration verification (ICVs) standards analyzed had acceptable recoveries ranging from 90-110%. No discrepancies were noted in the raw data submitted.

Metals using GFAA: Selenium was analyzed using SW846 Method 7740 and mercury used Method 7471. The instruments used were initially calibrated with a blank and standards at 4 concentration levels. The initial calibration curves for both analytes were acceptable with correlation coefficients >0.995. The ICVs analyzed had acceptable recoveries ranging from 93-107%.

Metals Using ICP/MS: The rest of metals target list were analyzed using Method 6020. The instrument used was initially calibrated. ICVs for ICP/MS ranged from 90-110%

Organics Analysis (SVOCs, SIM SVOCs, Pests, Butyl tins): The frequency of analysis, the concentration levels, the percent relative standard deviations (%RSDs), the minimum response factors, percent endrin and DDT breakdowns and RT criteria set by the methods were met by all of the initial calibration curves analyzed for the above-listed suite of parameters.

PCBs: Five concentration levels of Aroclors 1016, 1260 and surrogates were analyzed for the initial calibration. The other target Aroclors were analyzed at one concentration level. The instrument GC23 instrument with dual columns DB-XLB and DB-35MS were used in both pesticides and PCB analysis. Samples for PCBs were analyzed separately from the pesticides.

Continuing Calibrations - Acceptable

All of the continuing calibration verification standards (CCVs) associated with the samples met the criteria for frequency of analysis, the applicable recovery criteria, ion abundance ratios, RT windows, chromatographic resolutions, percent differences (%D) and/or relative percent differences (RPDs) between the initial calibrations' mean and daily instrument response or calibration factors. None of the data were qualified on this basis.

Compound Identification

All of the target compounds detected for each suite of compounds met the method-specified technical acceptance criteria and were judged to be acceptable with the exception of the following:

SVOCs SIM: The following compounds were qualified as tentatively identified at estimated concentrations, "JN", due to weak or incomplete spectra.

- dibenzofuran in samples LWG0103R014TSLSWBC10LWG0105R006TSLSWBC00 and LWG0107R009TSLSWBC00
- bis-(2-chloroethyl) ether in sample LWG0109R006TSLSWBC00

Pesticides: The following single-component pesticides co-elute in the DB-XLB and/or DB-35MS columns. Note: The RT windows used for both columns were calculated by the reviewer by averaging the RTs from the 4/09/03, 4/16/03 and 4/19/03 continuing calibration runs \pm 0.07 minutes:

Compounds	DB-XLB RT *	DB-35MS RT *	Action
B-BHC	9.71 - 9.85	9.89 - 9.93	Report detected values off DB-35MS
heptachlor	9.77 - 9.91	7.89 - 8.03	OK, all non-detects
oxychlordane	10.96 -11.07	9.03 - 9.17	Report detected values off DB-35MS
heptachlor epoxide	10.98- 11.12	9.19- 9.33	Report detected values off DB-35MS
2,4'-DDD	11.96- 12.09	10.35-10.49	Report detected values off DB-35MS
dicladrin	11.99- 12.13	10.16-10.32	Report detected values off DB-35MS
g-chlordane	11.47-11.61	9.55 -9.69	OK detected values reported off DB-XLB
trans-nonachlor	11.62- 11.76	9.59 - 9.73	Report detected values off DB-35MS
a-chlordane	11.55 -11.69	9.72 - 9.84	Report with endosulfan I
endosulfan I	11.59- 11.73	9.75 - 9.89	Report with a-chlordane

Compounds	DB-XLB RT *	DB-35MS RT *	Action
cis - nonachlor	12.58-12.77	10.75-10.87	Also co-elutes with Aroclors Action will be discussed in the next paragraph
2,4'-DDT	12.41- 12.55	10.75-10.87	OK, detected values off DB-XLB
4,4'-DDD	12.59- 12.73	10.92-11.06	Also co-elutes with Aroclors. Action will be discussed in the next paragraph

The following single-component pesticides co-elute with the Aroclors 1248, 1254 and/or 1260 peaks in both columns:

- cis-nonachlor, 4,4'-DDD, 4,4'-DDT, endosulfan sulfate, methoxychlor, endrin ketone and mirex.

Action: Use professional judgment in qualifying detected cis-nonachlor, 4,4'-DDD, 4,4'-DDT, endosulfan sulfate, mirex methoxychlor, and endrin ketone. If Aroclors are present in the samples, comparable concentrations of detected cis-nonachlor, 4,4'-DDD, 4,4'-DDT, endosulfan sulfate, mirex methoxychlor, and endrin ketone may be attributable to the PCB peaks. In instances like this, the compounds are qualified as non-detects, "UJ" with estimated reporting limits raised at the level of detection due to PCB interferences. Detected compounds listed above at significantly higher concentrations than the Aroclors detected in the samples were qualified as estimated, "J". Corrections on the reporting limits and concentrations of these single-component pesticides in the affected samples were made by the reviewer on their Forms I.

PCBs as Aroclors: The PCBs reported for the most of the samples were weathered and complete isolation of peaks for specific PCB calculations could not be performed. In cases like this, the reviewer re-calculated the results and reported the concentrations as an average of PCB 1248 and 1260 or PCBs 1248/1254/1260. Samples with predominantly high levels of PCB 1260 compared to other Aroclors were reported as PCB 1260 by the reviewer. Corrections on the detected concentrations of Aroclors in the samples were made the reviewer on the Forms I.

Blanks

The frequency of analysis of laboratory blanks was met for all suite of parameters with the exception of the following:

- Metals: Aluminum, antimony, lead, nickel, silver, and thallium were detected in the preparation, initial and/or continuing calibration blanks at concentrations less than the reporting limits. Detected aluminum, antimony, lead, nickel, silver, and thallium in the associated samples at concentrations that were less than 5 times the value in their respective blank(s) were qualified as non-detects, "U".
- SVOC full scan 8270 and SVOC SIM: The SVOC SIM and SVOC full scan used the same method blanks. Acenaphthene and benzo(g,h,i)perylene were detected in the SIM SVOC method blank at concentration levels that were less than the reporting limits.

Detected acenaphthene and benzo(g,h,i)perylene in the associated samples at concentrations less than five times the value in the blank were qualified as non-detects, "U". Bis(2-ethylhexyl)phthalate was detected in both SVOC SIM and SVOC full scan method blanks at concentration greater than the reporting limits. Bis(2-ethylhexyl)phthalate detected in the associated samples at concentrations less than ten times the value in their associated blank were qualified as non-detects "U" with the quantitation limits raised at the level of detection. It is recommended that data users utilize the bis(2-ethylhexyl)phthalate reported off the SVOC full scan results.

Internal Standards (IS) Areas and Retention Times

All of the IS areas and retention times in the SVOCs full scan and SVOC SIM analyses met the method-specified area and retention time criteria. None of the data were qualified on this basis.

Laboratory Control Samples/Duplicate (LCS/LCSD)

The frequency of analysis and the project-required recovery criteria were met by all of the LCS and LCSD sets analyzed for each suite of parameters with the exception of the following:

- Pesticides: KWG0304878-3 and KWG0304878-4 - the RPD for endrin aldehyde (70%) exceeded the control limits (40%).

None of the reported data results were qualified on this basis.

Surrogate Recoveries

SVOC and 8270C PAH SIM Analysis: The surrogate compounds (CLP list) specified in the QAPP were used as surrogates for the SVOC full scan and SVOC SIM. D-10-Methylnaphthalene and d-14-dibenzo(a,h)anthracene was not used as surrogates for SVOC SIM analyses as specified in the QAPP (see Table A7-7). All of the surrogate recoveries were met except for the 2-fluorophenol and 2,4,6-tribromophenol recoveries in the Method Blank which were significantly low. Since all of the surrogate recoveries for both SVOC full scan and SVOC SIM analyses were acceptable for all the samples, none of the SVOC full scan or SVOC SIM data were qualified on this basis.

Pest/PCB Analyses: The pest and PCB analyses used the same surrogates: tetrachloro-m-xylene (TCX) and decachlorobiphenyl (DCB). The laboratory also used isodrin as injection standard. All of the samples and QC samples met the pests and PCB project-required surrogate recovery limits (see Table A7-7 of the QAPP). None of the PCB and pesticide data were qualified on this basis.

Butyl Tins: Tri-n-propyl tin was used as a surrogate for this analysis. All of the recoveries were within the QAPP specified control limits and were acceptable. None of the butyl tin data were qualified on this basis.

Standard Reference Material (SRM)

The frequency of analysis and the recovery limits were met by all of the SRMs analyzed for each suite of

parameters. None of the reported data results were qualified on this basis.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

The following samples were designated for QC (MS/MSD) analyses:

LWG0103R002TSSPWBC10 for SVOCs full scan and SVOC SIM, LWG01FZ0609TSBBWBC10 for metals including mercury, pests and PCBs, and LWG0106R002TSCAWBC00 for butyl tins.

SVOC Full Scan Analysis: The routine CLP spike compounds with the addition of benzo(g,h,i) perylene and di-n-octylphthalate were used for MS/MSD analysis for this project. All of the spike recoveries and RPDs were within the project-required control limits (see Table A7-7 of the QAPP). None of the SVOC data were qualified on this basis.

SVOC SIM Analysis: Based on the QAPP, phenanthrene, chrysene and benzo(k)fluoranthene should be used as spike compounds for MS/MSD SVOC SIM analyses. The laboratory used the same spike compounds used in SVOC full scan for MS and MSD analyses. Recoveries were reported for acenaphthene, pyrene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, pentachlorophenol, 2,4-dinitrotoluene, N-nitroso-di-n-propylamine and 2-chlorophenol which were all within the QAPP specified control limits (see Table A7-7 of the QAPP). Phenol and 4-nitrophenol were lost during the silica gel clean-up process. Because phenol and 4-nitrophenol results were calculated off the SVOC full scan analysis, none of the phenol and 4-nitrophenol results in the associated samples were qualified on this basis.

Pest Analysis: The pesticide spike compounds listed in the QAPP (table A7-7) plus toxaphene and hexachlorobenzene were used by the lab as spike compounds for MS/MSD analysis. All of the MS/MSD spike recoveries and RPDs were within the project-required control limits (see Table A7-7 of the QAPP) except for the 4,4'-DDE and 4,4'-DDT. The 4,4'-DDT and 4,4'-DDE recoveries could not be accurately determined due to high levels of 4,4'-DDT and 4,4'-DDE native to the sample. None of the data were qualified on this basis.

PCB Analysis: Aroclors 1016 and 1260 were used as the spike compound for PCB analyses. All of the PCB MS/MSD recoveries and RPDs were within the project-required control limits (see Table A7-7 of the QAPP) with the exception of the PCB recoveries for Batch QCMS KWG0304879-1, KWG0304879-2, KWG03066518-1 and KWGG03066518-2 due to the interferences caused by the mixtures of PCBs native to the QC sample. None of the associated PCB data were qualified on this basis.

Butyl Tins: All of the spike recoveries and RPDs were within the QAPP specified control limits and were acceptable. None of the data were qualified on this basis.

Metals Analysis: The frequency of analysis and the recovery criteria were met by all of the metals analyses including mercury. None of the metals data were qualified on this basis.

Duplicate/Triple Sample Analysis

Metals: All of the initial and duplicate analytical results were within the project-required RPD limits.

None of the data were qualified on this basis.

Percent Lipids: The duplicate analysis met the QAPP specified technical acceptance criteria for this parameter. None of the data were qualified on this basis.

Analytical Sequence - Acceptable

All of the standards, blanks, samples and QC samples for each suite of parameters were analyzed in accordance with the method- specified analytical sequence. None of the data were qualified on this basis.

Serial Dilution

All of the compounds detected at concentrations that were >50x the MRL met the project-required %D limits with the exception of aluminum (19%) and nickel (18%). The aluminum and nickel reported in all of the samples were qualified as estimated, "J".

ICP Interference Check Samples (ICS) - Acceptable

The frequency of analysis and recovery limits for ICSAB were met. The ICSAB recoveries ranged from 89 - 110%. None of the data were qualified on this basis.

Laboratory Contact

Striplin Environmental and the laboratories were not contacted for this data validation.

Overall Assessment

With the exception of the PCB and pesticides data, the SVOC full scan, SVOCs SIM, metals, butyl tins and % lipids may be partially validated using the summary of QC forms. Pesticides and PCB data should be fully validated and validators should check the validity of the detection of PCB Aroclors (or mixtures of PCB Aroclors), DDT and its metabolites and some single-component pesticides. Co-elution of single-component pesticides also needs to be evaluated. It is highly recommended that a reverse search of SVOC TICs be also conducted by the SVOC lab for samples with high concentration (ppm levels) detections of DDT and its metabolites and PCBs.

There were no significant problems encountered in this validation. All of the samples were analyzed in accordance with the method, SOP and QAPP specifications. The data, as qualified, can be used for all purposes.

Data Qualifiers		
	U	The analyte was not detected at or above the reported numeric result.
	J	The analyte was positively identified. The associated numerical result is an estimate.
	UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
	R	The data are unusable for all purposes.
	N	There is evidence the analyte is present in this sample.
	JN	There is evidence that the analyte is present. The associated numerical result is an estimate.

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0103R001TSSPWBC00
SAMPLE

Lab Sample ID: FA37A
LIMS ID: 02-17586
Matrix: Tissue
Data Release Authorized: ✓
Reported: 06/06/03

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/23/02
Date Received: 12/02/02

Date Extracted: 05/13/03
Date Analyzed: 05/29/03 18:39
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 3.22 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	µg/kg
91-20-3	Naphthalene	31 U
91-57-6	2-Methylnaphthalene	31 U
208-96-8	Acenaphthylene	31 U
83-32-9	Acenaphthene	47 ✓ 4 ✓ 8
86-73-7	Fluorene	31 U
85-01-8	Phenanthrone	31 U
86-74-8	Carbazole	31 U
120-12-7	Anthracene	31 U
206-44-0	Fluoranthene	31 U
129-00-0	Pyrene	31 U
56-55-3	Benzo(a)anthracene	31 U
218-01-9	Chrysene	31 U
205-99-2	Benzo(b)fluoranthene	31 U
207-08-9	Benzo(k)fluoranthene	31 U
50-32-8	Benzo(a)pyrene	31 U
193-39-5	Indeno(1,2,3-cd)pyrene	31 U
53-70-3	Dibenz(a,h)anthracene	31 U
191-24-2	Benzo(g,h,i)perylene	31 U
132-64-9	Dibenzofuran	31 U
106-46-7	1,4-Dichlorobenzene	31 U
120-82-1	1,2,4-Trichlorobenzene	31 U
118-74-1	Hexachlorobenzene	31 U
87-68-3	Hexachlorobutadiene	31 U
106-44-5	4-Methylphenol	31 U
117-81-7	bis(2-Ethylhexyl)phthalate	150 ✓ 4 ✓
87-86-5	Pentachlorophenol	160 U
95-50-1	1,2-Dichlorobenzene	31 U
541-73-1	1,3-Dichlorobenzene	31 U
121-14-2	2,4-Dinitrotoluene	31 U
106-47-8	4-Chloroaniline	160 U
111-44-4	Bis-(2-Chloroethyl) Ether	31 U
621-64-7	N-Nitroso-Di-N-Propylamine	31 U
95-57-8	2-Chlorophenol	31 U
120-83-2	2,4-Dichlorophenol	31 U
88-06-2	2,4,6-Trichlorophenol	31 U
122-66-7	1,2-Diphenylhydrazine	31 U
606-20-2	2,6-Dinitrotoluene	31 U
91-58-7	2-Chloronaphthalene	31 U
101-55-3	4-Bromophenyl-phenylether	31 U
7005-72-3	4-Chlorophenyl-phenylether	78 U
67-72-1	Hexachloroethane	31 U
98-95-3	Nitrobenzene	31 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	68.8%	d5-Phenol	59.7%
2-Fluorophenol	47.7%	d4-2-Chlorophenol	59.7%
d4-1,2-Dichlorobenzene	54.8%	d5-Nitrobenzene	52.8%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2

Sample ID: LWG0103R001TSSPWBC00
SAMPLE

Lab Sample ID: FA37A

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

LIMS ID: 02-17586

Matrix: Tissue

Date Analyzed: 05/29/03 18:39

CAS Number	Analyte	µg/kg	
2,4,6-Tribromophenol	67.2%	d14-p-Terphenyl	70.4%

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0103R001TSSPWBC00
SAMPLE

Lab Sample ID: FA37A
LIMS ID: 02-17586
Matrix: Tissue
Data Release Authorized: *[Signature]*
Reported: 06/06/03

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/23/02
Date Received: 12/02/02

Date Extracted: 05/13/03
Date Analyzed: 05/24/03 14:24
Instrument/Analyst: FINN8/PK
GPC Cleanup: YES

Sample Amount: 3.22 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Lipids: 6.00 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	310 U
111-44-4	Bis-(2-Chloroethyl) Ether	310 U
95-57-8	2-Chlorophenol	160 U
541-73-1	1,3-Dichlorobenzene	160 U
106-46-7	1,4-Dichlorobenzene	160 U
100-51-6	Benzyl Alcohol	310 U
95-50-1	1,2-Dichlorobenzene	160 U
95-48-7	2-Methylphenol	160 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	160 U
106-44-5	4-Methylphenol	160 U
621-64-7	N-Nitroso-Di-N-Propylamine	310 U
67-72-1	Hexachloroethane	310 U
98-95-3	Nitrobenzene	160 U
105-67-9	2,4-Dimethylphenol	470 U
111-91-1	bis(2-Chloroethoxy) Methane	160 U
120-83-2	2,4-Dichlorophenol	470 U
120-82-1	1,2,4-Trichlorobenzene	160 U
91-20-3	Naphthalene	160 U
106-47-8	4-Chloroaniline	470 U
87-68-3	Hexachlorobutadiene	310 U
59-50-7	4-Chloro-3-methylphenol	310 U
91-57-6	2-Methylnaphthalene	160 U
77-47-4	Hexachlorocyclopentadiene	780 U
88-06-2	2,4,6-Trichlorophenol	780 U
95-95-4	2,4,5-Trichlorophenol	780 U
91-58-7	2-Chloronaphthalene	160 U
88-74-4	2-Nitroaniline	780 U
131-11-3	Dimethylphthalate	160 U
208-96-8	Acenaphthylene	160 U
99-09-2	3-Nitroaniline	780 U
83-32-9	Acenaphthene	160 U
51-28-5	2,4-Dinitrophenol	3,100 U
100-02-7	4-Nitrophenol	1,600 U
132-64-9	Dibenzofuran	160 U
606-20-2	2,6-Dinitrotoluene	780 U
121-14-2	2,4-Dinitrotoluene	780 U
84-66-2	Diethylphthalate	160 U
7005-72-3	4-Chlorophenyl-phenylether	160 U
86-73-7	Fluorene	160 U
100-01-6	4-Nitroaniline	780 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,100 U
86-30-6	N-Nitrosodiphenylamine	160 U
101-55-3	4-Bromophenyl-phenylether	160 U
118-74-1	Hexachlorobenzene	160 U

000049 *[Signature]*

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0103R001TSSPWBC00
SAMPLE

Lab Sample ID: FA37A
LIMS ID: 02-17586
Matrix: Tissue
Date Analyzed: 05/24/03 14:24

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	$\mu\text{g}/\text{kg-as-rec}$
87-86-5	Pentachlorophenol	1,600 U
85-01-8	Phenanthrene	160 U
86-74-8	Carbazole	310 U
120-12-7	Anthracene	160 U
84-74-2	Di-n-Butylphthalate	310 U
206-44-0	Fluoranthene	160 U
129-00-0	Pyrene	160 U
85-68-7	Butylbenzylphthalate	310 U
91-94-1	3,3'-Dichlorobenzidine	1,600 U
56-55-3	Benzo(a)anthracene	160 U
117-81-7	bis(2-Ethylhexyl)phthalate	1,000 8 u
218-01-9	Chrysene	160 U
117-84-0	Di-n-Octyl phthalate	310 U
205-99-2	Benzo(b)fluoranthene	160 U
207-08-9	Benzo(k)fluoranthene	160 U
50-32-8	Benzo(a)pyrene	160 U
193-39-5	Indeno(1,2,3-cd)pyrene	160 U
53-70-3	Dibenz(a,h)anthracene	160 U
191-24-2	Benzo(g,h,i)perylene	160 U
62-75-9	N-Nitrosodimethylamine	780 U
103-33-3	Azobenzene	160 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,600 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,600 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.4%	2-Fluorobiphenyl	86.1%
d14-p-Terphenyl	73.1%	d4-1,2-Dichlorobenzene	66.7%
d5-Phenol	75.8%	2-Fluorophenol	63.0%
2,4,6-Tribromophenol	91.3%	d4-2-Chlorophenol	72.9%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0103R001TSSPWBC00

Lab Sample ID: FA37A
 LIMS ID: 02-17586
 Matrix: Tissue

QC Report No: FA37-Striplin Environmental
 Project: B01-01-34c

Date Sampled: 07/23/02
 Date Received: 12/02/02

Data Release Authorized: *[Signature]*
 Reported: 06/06/03

Date Analyzed: 05/24/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Ketone_____	20.23	SVOA	1,900 J N
2. --	Unknown_Organic_Acid_____	20.57	SVOA	5,200 J
3. --	Unknown_Aldehyde_____	21.08	SVOA	1,100 J
4. --	Unknown_Acid_Ester_____	22.23	SVOA	1,700 J
5. --	Unknown_Acid_Ester_____	22.50	SVOA	1,900 J
6. --	Unknown_Organic_Acid_____	23.32	SVOA	100,000 J
7. --	Unknown_Organic_Acid_____	23.57	SVOA	58,000 J
8. --	Unknown_Aldehyde_____	23.68	SVOA	15,000 J
9. --	Unknown_Acid_Ester_____	24.65	SVOA	1,900 J
10. --	Unknown_Acid_Ester_____	24.97	SVOA	1,300 J
11. --	Unknown_Organic_Acid_____	25.75	SVOA	300,000 J
12. --	Unknown_Organic_Acid_____	26.55	SVOA	4,600 J
13. --	Unknown_Cycloalkane_____	27.58	SVOA	220,000 J
14. --	Unknown_Alkene_____	32.07	SVOA	8,600 J
15. --	Unknown_Alkane_____	32.93	SVOA	950 J
16. --	Unknown_Sterol_type_____	34.73	SVOA	120,000 J
17. --	Unknown_Sterol_type_____	35.70	SVOA	1,400 J
18. _____	_____	_____	_____	_____
19. _____	_____	_____	_____	_____
20. _____	_____	_____	_____	_____

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0103R002TSSPWBC10
SAMPLE

Lab Sample ID: FA37B
LIMS ID: 02-17587
Matrix: Tissue
Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Extracted: 05/13/03
Date Analyzed: 05/29/03 19:14
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 09/03/02
Date Received: 12/02/02

Sample Amount: 3.20 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	µg/kg
91-20-3	Naphthalene	31 U
91-57-6	2-Methylnaphthalene	31 U
208-96-8	Acenaphthylene	31 U
83-32-9	Acenaphthene	31 U
86-73-7	Fluorene	31 U
85-01-8	Phenanthrene	31 U
86-74-8	Carbazole	31 U
120-12-7	Anthracene	31 U
206-44-0	Fluoranthene	31 U
129-00-0	Pyrene	31 U
56-55-3	Benzo(a)anthracene	31 U
218-01-9	Chrysene	31 U
205-99-2	Benzo(b)fluoranthene	31 U
207-08-9	Benzo(k)fluoranthene	31 U
50-32-8	Benzo(a)pyrene	31 U
193-39-5	Indeno(1,2,3-cd)pyrene	31 U
53-70-3	Dibenz(a,h)anthracene	31 U
191-24-2	Benzo(g,h,i)perylene	31 U
132-64-9	Dibenzofuran	31 U
106-46-7	1,4-Dichlorobenzene	31 U
120-82-1	1,2,4-Trichlorobenzene	31 U
118-74-1	Hexachlorobenzene	31 U
87-68-3	Hexachlorobutadiene	31 U
106-44-5	4-Methylphenol	31 U
117-81-7	bis(2-Ethylhexyl)phthalate	180 ✓ 41
87-86-5	Pentachlorophenol	160 U
95-50-1	1,2-Dichlorobenzene	31 U
541-73-1	1,3-Dichlorobenzene	31 U
121-14-2	2,4-Dinitrotoluene	31 U
106-47-8	4-Chloroaniline	160 U
111-44-4	Bis-(2-Chloroethyl) Ether	31 U
621-64-7	N-Nitroso-Di-N-Propylamine	31 U
95-57-8	2-Chlorophenol	31 U
120-83-2	2,4-Dichlorophenol	31 U
88-06-2	2,4,6-Trichlorophenol	31 U
122-66-7	1,2-Diphenylhydrazine	31 U
606-20-2	2,6-Dinitrotoluene	31 U
91-58-7	2-Chloronaphthalene	31 U
101-55-3	4-Bromophenyl-phenylether	31 U
7005-72-3	4-Chlorophenyl-phenylether	78 U
67-72-1	Hexachloroethane	31 U
98-95-3	Nitrobenzene	31 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	61.6%	d5-Phenol	57.9%
2-Fluorophenol	46.9%	d4-2-Chlorophenol	58.1%
d4-1,2-Dichlorobenzene	53.6%	d5-Nitrobenzene	52.4%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2

Sample ID: LWG0103R002TSSPWBC10
SAMPLE

Lab Sample ID: FA37B
LIMS ID: 02-17587
Matrix: Tissue
Date Analyzed: 05/29/03 19:14

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg	
2,4,6-Tribromophenol	66.1%	d14-p-Terphenyl	62.4%

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ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0103R002TSSPWBC10
SAMPLE

Lab Sample ID: FA37B

LIMS ID: 02-17587

Matrix: Tissue

Data Release Authorized: *[Signature]*

Reported: 06/06/03

Date Extracted: 05/13/03

Date Analyzed: 05/24/03 15:59

Instrument/Analyst: FINN8/PK

GPC Cleanup: YES

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 09/03/02
Date Received: 12/02/02

Sample Amount: 3.20 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 4.40 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	310 U
111-44-4	Bis-(2-Chloroethyl) Ether	310 U
95-57-8	2-Chlorophenol	160 U
541-73-1	1,3-Dichlorobenzene	160 U
106-46-7	1,4-Dichlorobenzene	160 U
100-51-6	Benzyl Alcohol	310 U
95-50-1	1,2-Dichlorobenzene	160 U
95-48-7	2-Methylphenol	160 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	160 U
106-44-5	4-Methylphenol	160 U
621-64-7	N-Nitroso-Di-N-Propylamine	310 U
67-72-1	Hexachloroethane	310 U
98-95-3	Nitrobenzene	160 U
105-67-9	2,4-Dimethylphenol	470 U
111-91-1	bis(2-Chloroethoxy) Methane	160 U
120-83-2	2,4-Dichlorophenol	470 U
120-82-1	1,2,4-Trichlorobenzene	160 U
91-20-3	Naphthalene	160 U
106-47-8	4-Chloroaniline	470 U
87-68-3	Hexachlorobutadiene	310 U
59-50-7	4-Chloro-3-methylphenol	310 U
91-57-6	2-Methylnaphthalene	160 U
77-47-4	Hexachlorocyclopentadiene	780 U
88-06-2	2,4,6-Trichlorophenol	780 U
95-95-4	2,4,5-Trichlorophenol	780 U
91-58-7	2-Chloronaphthalene	160 U
88-74-4	2-Nitroaniline	780 U
131-11-3	Dimethylphthalate	160 U
208-96-8	Acenaphthylene	160 U
99-09-2	3-Nitroaniline	780 U
83-32-9	Acenaphthene	160 U
51-28-5	2,4-Dinitrophenol	3,100 U
100-02-7	4-Nitrophenol	1,600 U
132-64-9	Dibenzofuran	160 U
606-20-2	2,6-Dinitrotoluene	780 U
121-14-2	2,4-Dinitrotoluene	780 U
84-66-2	Diethylphthalate	160 U
7005-72-3	4-Chlorophenyl-phenylether	160 U
86-73-7	Fluorene	160 U
100-01-6	4-Nitroaniline	780 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,100 U
86-30-6	N-Nitrosodiphenylamine	160 U
101-55-3	4-Bromophenyl-phenylether	160 U
118-74-1	Hexachlorobenzene	160 U

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Lab Sample ID: FA37B QC Report No: FA37-Striplin Environmental
LIMS ID: 02-17587 Project: B01-01-34c
Matrix: Tissue
Date Analyzed: 05/24/03 15:59

CAS Number	Analyte	µg/kg-as-rec
87-86-5	Pentachlorophenol	1,600 U
85-01-8	Phenanthrene	160 U
86-74-8	Carbazole	310 U
120-12-7	Anthracene	160 U
84-74-2	Di-n-Butylphthalate	310 U
206-44-0	Fluoranthene	160 U
129-00-0	Pyrene	160 U
85-68-7	Butylbenzylphthalate	310 U
91-94-1	3,3'-Dichlorobenzidine	1,600 U
56-55-3	Benzo(a)anthracene	160 U
117-81-7	bis(2-Ethylhexyl)phthalate	1,000 <i>u u</i>
218-01-9	Chrysene	160 U
117-84-0	Di-n-Octyl phthalate	310 U
205-99-2	Benzo(b)fluoranthene	160 U
207-08-9	Benzo(k)fluoranthene	160 U
50-32-8	Benzo(a)pyrene	160 U
193-39-5	Indeno(1,2,3-cd)pyrene	160 U
53-70-3	Dibenz(a,h)anthracene	160 U
191-24-2	Benzo(g,h,i)perylene	160 U
62-75-9	N-Nitrosodimethylamine	780 U
103-33-3	Azobenzene	160 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,600 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,600 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	66.9%	2-Fluorobiphenyl	85.5%
d14-p-Terphenyl	68.7%	d4-1,2-Dichlorobenzene	63.1%
d5-Phenol	74.1%	2-Fluorophenol	58.7%
2,4,6-Tribromophenol	90.5%	d4-2-Chlorophenol	69.1%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0103R002TSSPWBC10

Lab Sample ID: FA37B
LIMS ID: 02-17587
Matrix: Tissue

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 09/03/02
Date Received: 12/02/02

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Analyzed: 05/24/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Organic_Acid_____	17.63	SVOA	1,600 J N
2. --	Unknown_Ketone_____	20.23	SVOA	1,700 J
3. --	Unknown_Organic_Acid_____	20.62	SVOA	6,400 J
4. --	Unknown_Organic_Acid_____	21.33	SVOA	920 J
5. --	Unknown_Organic_Acid_____	21.80	SVOA	1,000 J
6. --	Unknown_Acid_Ester_____	22.20	SVOA	940 J
7. --	Unknown_Acid_Ester_____	22.48	SVOA	1,200 J
8. --	Unknown_Organic_Acid_____	23.43	SVOA	160,000 J
9. --	Unknown_Organic_Acid_____	23.67	SVOA	92,000 J
10. --	Unknown_Acid_Ester_____	24.63	SVOA	1,900 J
11. --	Unknown_Organic_Acid_____	25.87	SVOA	360,000 J
12. --	Unknown_Cycloalkane_____	27.65	SVOA	280,000 J
13. --	Unknown_____	31.32	SVOA	3,100 J
14. --	Unknown_Alkene_____	32.05	SVOA	6,200 J
15. --	Unknown_Sterol_type_____	32.63	SVOA	750 J
16. --	Unknown_Sterol_type_____	34.70	SVOA	92,000 J
17. --	Unknown_Sterol_type_____	35.68	SVOA	990 J
18. --	Unknown_Acid_Ester_____	38.18	SVOA	850 J
19. _____	_____	____	____	____
20. _____	_____	____	____	____

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0105R001TSSPWBC00
SAMPLE

Lab Sample ID: FA37C

LIMS ID: 02-17588

Matrix: Tissue

Data Release Authorized: *[Signature]*

Reported: 06/06/03

Date Extracted: 05/13/03

Date Analyzed: 05/29/03 20:58

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/31/02

Date Received: 12/02/02

Sample Amount: 3.12 g-as-rec

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

CAS Number	Analyte	$\mu\text{g}/\text{kg}$
91-20-3	Naphthalene	32 U
91-57-6	2-Methylnaphthalene	32 U
208-96-8	Acenaphthylene	32 U
83-32-9	Acenaphthene	32 U
86-73-7	Fluorene	32 U
85-01-8	Phenanthrene	32 U
86-74-8	Carbazole	32 U
120-12-7	Anthracene	32 U
206-44-0	Fluoranthene	32 U
129-00-0	Pyrene	32 U
56-55-3	Benzo(a)anthracene	32 U
218-01-9	Chrysene	32 U
205-99-2	Benzo(b)fluoranthene	32 U
207-08-9	Benzo(k)fluoranthene	32 U
50-32-8	Benzo(a)pyrene	32 U
193-39-5	Indeno(1,2,3-cd)pyrene	32 U
53-70-3	Dibenz(a,h)anthracene	32 U
191-24-2	Benzo(g,h,i)perylene	32 U
132-64-9	Dibenzofuran	32 U
106-46-7	1,4-Dichlorobenzene	32 U
120-82-1	1,2,4-Trichlorobenzene	32 U
118-74-1	Hexachlorobenzene	32 U
87-68-3	Hexachlorobutadiene	32 U
106-44-5	4-Methylphenol	32 U
117-81-7	bis(2-Ethylhexyl)phthalate	96 U
87-86-5	Pentachlorophenol	160 U
95-50-1	1,2-Dichlorobenzene	32 U
541-73-1	1,3-Dichlorobenzene	32 U
121-14-2	2,4-Dinitrotoluene	32 U
106-47-8	4-Chloroaniline	160 U
111-44-4	Bis-(2-Chloroethyl) Ether	32 U
621-64-7	N-Nitroso-Di-N-Propylamine	32 U
95-57-8	2-Chlorophenol	32 U
120-83-2	2,4-Dichlorophenol	32 U
88-06-2	2,4,6-Trichlorophenol	32 U
122-66-7	1,2-Diphenylhydrazine	32 U
606-20-2	2,6-Dinitrotoluene	32 U
91-58-7	2-Chloronaphthalene	32 U
101-55-3	4-Bromophenyl-phenylether	32 U
7005-72-3	4-Chlorophenyl-phenylether	80 U
67-72-1	Hexachloroethane	32 U
98-95-3	Nitrobenzene	32 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	63.6%	d5-Phenol	56.3%
2-Fluorophenol	44.3%	d4-2-Chlorophenol	56.8%
d4-1,2-Dichlorobenzene	53.6%	d5-Nitrobenzene	50.4%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2Sample ID: LWG0105R001TSSPWBC00
SAMPLELab Sample ID: FA37C
LIMS ID: 02-17588
Matrix: Tissue
Date Analyzed: 05/29/03 20:58QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg	
2,4,6-Tribromophenol	66.1%	d14-p-Terphenyl	56.0%

000026

FORM I

A handwritten signature in black ink, appearing to read "mgilberts", is written diagonally across the bottom right corner of the page.

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0105R001TSSPWBC00
SAMPLE

Lab Sample ID: FA37C
LIMS ID: 02-17588

Matrix: Tissue

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Extracted: 05/13/03
Date Analyzed: 05/24/03 20:43
Instrument/Analyst: FINN8/PK
GPC Cleanup: YES

QC Report No: FA37-Striplin Environmental
Project: B01-01-34C

Date Sampled: 07/31/02
Date Received: 12/02/02

Sample Amount: 3.12 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 5.40 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	320 U
111-44-4	Bis-(2-Chloroethyl) Ether	320 U
95-57-8	2-Chlorophenol	160 U
541-73-1	1,3-Dichlorobenzene	160 U
106-46-7	1,4-Dichlorobenzene	160 U
100-51-6	Benzyl Alcohol	320 U
95-50-1	1,2-Dichlorobenzene	160 U
95-48-7	2-Methylphenol	160 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	160 U
106-44-5	4-Methylphenol	160 U
621-64-7	N-Nitroso-Di-N-Propylamine	320 U
67-72-1	Hexachloroethane	320 U
98-95-3	Nitrobenzene	160 U
105-67-9	2,4-Dimethylphenol	480 U
111-91-1	bis(2-Chloroethoxy) Methane	160 U
120-83-2	2,4-Dichlorophenol	480 U
120-82-1	1,2,4-Trichlorobenzene	160 U
91-20-3	Naphthalene	160 U
106-47-8	4-Chloroaniline	480 U
87-68-3	Hexachlorobutadiene	320 U
59-50-7	4-Chloro-3-methylphenol	320 U
91-57-6	2-Methylnaphthalene	160 U
77-47-4	Hexachlorocyclopentadiene	800 U
88-06-2	2,4,6-Trichlorophenol	800 U
95-95-4	2,4,5-Trichlorophenol	800 U
91-58-7	2-Chloronaphthalene	160 U
88-74-4	2-Nitroaniline	800 U
131-11-3	Dimethylphthalate	160 U
208-96-8	Acenaphthylene	160 U
99-09-2	3-Nitroaniline	800 U
83-32-9	Acenaphthene	160 U
51-28-5	2,4-Dinitrophenol	3,200 U
100-02-7	4-Nitrophenol	1,600 U
132-64-9	Dibenzofuran	160 U
606-20-2	2,6-Dinitrotoluene	800 U
121-14-2	2,4-Dinitrotoluene	800 U
84-66-2	Diethylphthalate	160 U
7005-72-3	4-Chlorophenyl-phenylether	160 U
86-73-7	Fluorene	160 U
100-01-6	4-Nitroaniline	800 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,200 U
86-30-6	N-Nitrosodiphenylamine	160 U
101-55-3	4-Bromophenyl-phenylether	160 U
118-74-1	Hexachlorobenzene	160 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0105R001TSSPWBC00
SAMPLE

Lab Sample ID: FA37C
LIMS ID: 02-17588
Matrix: Tissue
Date Analyzed: 05/24/03 20:43

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg-as-rec
87-86-5	Pentachlorophenol	1,600 U
85-01-8	Phenanthrene	160 U
86-74-8	Carbazole	320 U
120-12-7	Anthracene	160 U
84-74-2	Di-n-Butylphthalate	320 U
206-44-0	Fluoranthene	160 U
129-00-0	Pyrene	160 U
85-68-7	Butylbenzylphthalate	320 U
91-94-1	3,3'-Dichlorobenzidine	1,600 U
56-55-3	Benzo(a)anthracene	160 U
117-81-7	bis(2-Ethylhexyl)phthalate	1,000 <i>x w</i>
218-01-9	Chrysene	160 U
117-84-0	Di-n-Octyl phthalate	320 U
205-99-2	Benzo(b)fluoranthene	160 U
207-08-9	Benzo(k)fluoranthene	160 U
50-32-8	Benzo(a)pyrene	160 U
193-39-5	Indeno(1,2,3-cd)pyrene	160 U
53-70-3	Dibenz(a,h)anthracene	160 U
191-24-2	Benzo(g,h,i)perylene	160 U
62-75-9	N-Nitrosodimethylamine	800 U
103-33-3	Azobenzene	160 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,600 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,600 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	67.1%	2-Fluorobiphenyl	85.6%
d14-p-Terphenyl	74.0%	d4-1,2-Dichlorobenzene	65.0%
d5-Phenol	75.4%	2-Fluorophenol	61.4%
2,4,6-Tribromophenol	95.8%	d4-2-Chlorophenol	72.7%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0105R001TSSPWBC00

Lab Sample ID: FA37C
LIMS ID: 02-17588
Matrix: Tissue

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c
Date Sampled: 07/31/02
Date Received: 12/02/02

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Analyzed: 05/24/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Organic_Acid_____	17.62	SVOA	1,500 J ✓
2. --	Unknown_____	20.23	SVOA	1,800 J
3. --	Unknown_Organic_Acid_____	20.62	SVOA	6,600 J
4. --	Unknown_Aldehyde_____	21.05	SVOA	890 J
5. --	Unknown_Organic_Acid_____	21.33	SVOA	800 J
6. --	Unknown_Organic_Acid_____	21.80	SVOA	900 J
7. --	Unknown_Acid_Ester_____	22.20	SVOA	1,400 J
8. --	Unknown_Acid_Ester_____	22.48	SVOA	3,000 J
9. --	Unknown_Organic_Acid_____	23.47	SVOA	170,000 J
10. --	Unknown_Organic_Acid_____	23.70	SVOA	160,000 J
11. --	Unknown_Acid_Ester_____	24.65	SVOA	3,600 J
12. --	Unknown_Organic_Acid_____	25.90	SVOA	610,000 J
13. --	Unknown_Hydrocarbon_____	27.72	SVOA	450,000 J
14. --	Unknown_Alkane_____	31.52	SVOA	2,400 J
15. --	Unknown_Alkene_____	32.05	SVOA	9,200 J
16. --	Unknown_Sterol_type_____	34.67	SVOA	64,000 J
17. --	Unknown_Acid_Ester_____	38.18	SVOA	1,000 J ✓
18. _____	_____	_____	_____	_____
19. _____	_____	_____	_____	_____
20. _____	_____	_____	_____	_____

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0109R002TSSPWBC00
SAMPLE

Lab Sample ID: FA37D
LIMS ID: 02-17589

Matrix: Tissue

Data Release Authorized: *[Signature]*
Reported: 06/06/03

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 08/15/02
Date Received: 12/02/02

Date Extracted: 05/13/03
Date Analyzed: 05/29/03 21:33
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 3.26 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	µg/kg
91-20-3	Naphthalene	31 U
91-57-6	2-Methylnaphthalene	31 U
208-96-8	Acenaphthylene	31 U
83-32-9	Acenaphthene	100 ✓ u 6
86-73-7	Fluorene	31 U
85-01-8	Phenanthrene	31 U
86-74-8	Carbazole	31 U
120-12-7	Anthracene	31 U
206-44-0	Fluoranthene	31 U
129-00-0	Pyrene	31 U
56-55-3	Benzo(a)anthracene	31 U
218-01-9	Chrysene	31 U
205-99-2	Benzo(b)fluoranthene	31 U
207-08-9	Benzo(k)fluoranthene	31 U
50-32-8	Benzo(a)pyrene	31 U
193-39-5	Indeno(1,2,3-cd)pyrene	31 U
53-70-3	Dibenz(a,h)anthracene	31 U
191-24-2	Benzo(g,h,i)perylene	31 U
132-64-9	Dibenzo furan	31 U
106-46-7	1,4-Dichlorobenzene	31 U
120-82-1	1,2,4-Trichlorobenzene	31 U
118-74-1	Hexachlorobenzene	31 U
87-68-3	Hexachlorobutadiene	31 U
106-44-5	4-Methylphenol	31 U
117-81-7	bis(2-Ethylhexyl)phthalate	120 ✓ w ↗
87-86-5	Pentachlorophenol	150 U
95-50-1	1,2-Dichlorobenzene	31 U
541-73-1	1,3-Dichlorobenzene	31 U
121-14-2	2,4-Dinitrotoluene	31 U
106-47-8	4-Chloroaniline	150 U
111-44-4	Bis-(2-Chloroethyl) Ether	31 U
621-64-7	N-Nitroso-Di-N-Propylamine	31 U
95-57-8	2-Chlorophenol	31 U
120-83-2	2,4-Dichlorophenol	31 U
88-06-2	2,4,6-Trichlorophenol	31 U
122-66-7	1,2-Diphenylhydrazine	31 U
606-20-2	2,6-Dinitrotoluene	31 U
91-58-7	2-Chloronaphthalene	31 U
101-55-3	4-Bromophenyl-phenylether	31 U
7005-72-3	4-Chlorophenyl-phenylether	77 U
67-72-1	Hexachloroethane	31 U
98-95-3	Nitrobenzene	31 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	60.4%	d5-Phenol	55.5%
2-Fluorophenol	43.2%	d4-2-Chlorophenol	56.0%
d4-1,2-Dichlorobenzene	52.4%	d5-Nitrobenzene	50.4%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Page 2 of 2

Sample ID: LWG0109R002TSSPWBC00
SAMPLE

Lab Sample ID: FA37D

QC Report No: FA37-Striplin Environmental

LIMS ID: 02-17589

Project: B01-01-34c

Matrix: Tissue

Date Analyzed: 05/29/03 21:33

CAS Number	Analyte	µg/kg	
2,4,6-Tribromophenol	60.3%	d14-p-Terphenyl	66.0%

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FORM I

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0109R002TSSPWBC00
SAMPLE

Lab Sample ID: FA37D
LIMS ID: 02-17589

Matrix: Tissue

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Extracted: 05/13/03
Date Analyzed: 05/24/03 22:18
Instrument/Analyst: FINN8/PK
GPC Cleanup: YES

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 08/15/02
Date Received: 12/02/02

Sample Amount: 3.26 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 4.30 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	310 U
111-44-4	Bis-(2-Chloroethyl) Ether	310 U
95-57-8	2-Chlorophenol	150 U
541-73-1	1,3-Dichlorobenzene	150 U
106-46-7	1,4-Dichlorobenzene	150 U
100-51-6	Benzyl Alcohol	310 U
95-50-1	1,2-Dichlorobenzene	150 U
95-48-7	2-Methylphenol	150 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	150 U
106-44-5	4-Methylphenol	150 U
621-64-7	N-Nitroso-Di-N-Propylamine	310 U
67-72-1	Hexachloroethane	310 U
98-95-3	Nitrobenzene	150 U
105-67-9	2,4-Dimethylphenol	460 U
111-91-1	bis(2-Chloroethoxy) Methane	150 U
120-83-2	2,4-Dichlorophenol	460 U
120-82-1	1,2,4-Trichlorobenzene	150 U
91-20-3	Naphthalene	150 U
106-47-8	4-Chloroaniline	460 U
87-68-3	Hexachlorobutadiene	310 U
59-50-7	4-Chloro-3-methylphenol	310 U
91-57-6	2-Methylnaphthalene	150 U
77-47-4	Hexachlorocyclopentadiene	770 U
88-06-2	2,4,6-Trichlorophenol	770 U
95-95-4	2,4,5-Trichlorophenol	770 U
91-58-7	2-Chloronaphthalene	150 U
88-74-4	2-Nitroaniline	770 U
131-11-3	Dimethylphthalate	150 U
208-96-8	Acenaphthylene	150 U
99-09-2	3-Nitroaniline	770 U
83-32-9	Acenaphthene	150 U
51-28-5	2,4-Dinitrophenol	3,100 U
100-02-7	4-Nitrophenol	1,500 U
132-64-9	Dibenzofuran	150 U
606-20-2	2,6-Dinitrotoluene	770 U
121-14-2	2,4-Dinitrotoluene	770 U
84-66-2	Diethylphthalate	150 U
7005-72-3	4-Chlorophenyl-phenylether	150 U
86-73-7	Fluorene	150 U
100-01-6	4-Nitroaniline	770 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,100 U
86-30-6	N-Nitrosodiphenylamine	150 U
101-55-3	4-Bromophenyl-phenylether	150 U
118-74-1	Hexachlorobenzene	150 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0109R002TSSPWBC00
SAMPLE

Lab Sample ID: FA37D
LIMS ID: 02-17589
Matrix: Tissue
Date Analyzed: 05/24/03 22:18

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	$\mu\text{g}/\text{kg-as-rec}$
87-86-5	Pentachlorophenol	1,500 U
85-01-8	Phenanthrene	150 U
86-74-8	Carbazole	310 U
120-12-7	Anthracene	150 U
84-74-2	Di-n-Butylphthalate	310 U
206-44-0	Fluoranthene	150 U
129-00-0	Pyrene	150 U
85-68-7	Butylbenzylphthalate	310 U
91-94-1	3,3'-Dichlorobenzidine	1,500 U
56-55-3	Benzo(a)anthracene	150 U
117-81-7	bis(2-Ethylhexyl)phthalate	940 <i>f u</i>
218-01-9	Chrysene	150 U
117-84-0	Di-n-Octyl phthalate	310 U
205-99-2	Benzo(b)fluoranthene	150 U
207-08-9	Benzo(k)fluoranthene	150 U
50-32-8	Benzo(a)pyrene	150 U
193-39-5	Indeno(1,2,3-cd)pyrene	150 U
53-70-3	Dibenz(a,h)anthracene	150 U
191-24-2	Benzo(g,h,i)perylene	150 U
62-75-9	N-Nitrosodimethylamine	770 U
103-33-3	Azobenzene	150 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,500 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,500 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	66.6%	2-Fluorobiphenyl	83.2%
d14-p-Terphenyl	76.2%	d4-1,2-Dichlorobenzene	64.8%
d5-Phenol	75.0%	2-Fluorophenol	61.1%
2,4,6-Tribromophenol	90.3%	d4-2-Chlorophenol	71.4%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0109R002TSSPWBC00

Lab Sample ID: FA37D
LIMS ID: 02-17589
Matrix: Tissue

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c
Date Sampled: 08/15/02
Date Received: 12/02/02

Data Release Authorized:
Reported: 06/06/03

Date Analyzed: 05/24/03

CAS Number	Tentative Identification	RT	Fraction	$\mu\text{g}/\text{kg}$
1. --	Unknown_Organic_Acid_____	17.63	SVOA	1,400 J N
2. --	Unknown_Alkane_____	17.87	SVOA	2,000 J
3. --	Unknown_Ketone_____	20.23	SVOA	1,300 J
4. --	Unknown_Organic_Acid_____	20.57	SVOA	2,700 J
5. --	Unknown_Aldehyde_____	21.07	SVOA	790 J
6. --	Unknown_Acid_Ester_____	22.22	SVOA	670 J
7. --	Unknown_Acid_Ester_____	22.50	SVOA	1,700 J
8. --	Unknown_Organic_Acid_____	23.28	SVOA	51,000 J
9. --	Unknown_Organic_Acid_____	23.53	SVOA	34,000 J
10. --	Unknown_Aldehyde_____	23.68	SVOA	6,900 J
11. --	Unknown_Acid_Ester_____	24.63	SVOA	2,800 J
12. --	Unknown_Organic_Acid_____	25.78	SVOA	370,000 J
13. --	Unknown_Acid_Ester_____	27.53	SVOA	210,000 J
14. --	Unknown_Alkene_____	32.05	SVOA	8,800 J
15. --	Unknown_Alkane_____	32.93	SVOA	890 J
16. --	Unknown_Sterol_type_____	34.72	SVOA	120,000 J
17. --	Unknown_Sterol_type_____	35.68	SVOA	1,600 J
18. _____	_____	_____	_____	_____
19. _____	_____	_____	_____	_____
20. _____	_____	_____	_____	_____

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Page 1 of 2

Sample ID: LWG0106R002TSSPWBC10
SAMPLE

Lab Sample ID: FA37E

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

LIMS ID: 02-17590

Matrix: Tissue

Data Release Authorized:

Date Sampled: 08/09/02
Date Received: 12/02/02

Reported: 06/06/03

Date Extracted: 05/13/03

Sample Amount: 3.03 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Date Analyzed: 05/29/03 22:07

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

CAS Number	Analyte	$\mu\text{g}/\text{kg}$
91-20-3	Naphthalene	33 U
91-57-6	2-Methylnaphthalene	33 U
208-96-8	Acenaphthylene	33 U
83-32-9	Acenaphthene	40 U
86-73-7	Fluorene	33 U
85-01-8	Phenanthrene	33 U
86-74-8	Carbazole	33 U
120-12-7	Anthracene	33 U
206-44-0	Fluoranthene	33 U
129-00-0	Pyrene	33 U
56-55-3	Benzo(a)anthracene	33 U
218-01-9	Chrysene	33 U
205-99-2	Benzo(b)fluoranthene	33 U
207-08-9	Benzo(k)fluoranthene	33 U
50-32-8	Benzo(a)pyrene	33 U
193-39-5	Indeno(1,2,3-cd)pyrene	33 U
53-70-3	Dibenz(a,h)anthracene	33 U
191-24-2	Benzo(g,h,i)perylene	33 U
132-64-9	Dibenzofuran	33 U
106-46-7	1,4-Dichlorobenzene	33 U
120-82-1	1,2,4-Trichlorobenzene	33 U
118-74-1	Hexachlorobenzene	33 U
87-68-3	Hexachlorobutadiene	33 U
106-44-5	4-Methylphenol	33 U
117-81-7	bis(2-Ethylhexyl)phthalate	99 U
87-86-5	Pentachlorophenol	170 U
95-50-1	1,2-Dichlorobenzene	33 U
541-73-1	1,3-Dichlorobenzene	33 U
121-14-2	2,4-Dinitrotoluene	33 U
106-47-8	4-Chloroaniline	170 U
111-44-4	Bis-(2-Chloroethyl) Ether	33 U
621-64-7	N-Nitroso-Di-N-Propylamine	33 U
95-57-8	2-Chlorophenol	33 U
120-83-2	2,4-Dichlorophenol	33 U
88-06-2	2,4,6-Trichlorophenol	33 U
122-66-7	1,2-Diphenylhydrazine	33 U
606-20-2	2,6-Dinitrotoluene	33 U
91-58-7	2-Chloronaphthalene	33 U
101-55-3	4-Bromophenyl-phenylether	33 U
7005-72-3	4-Chlorophenyl-phenylether	83 U
67-72-1	Hexachloroethane	33 U
98-95-3	Nitrobenzene	33 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	60.4%	d5-Phenol	55.7%
2-Fluorophenol	39.2%	d4-2-Chlorophenol	54.9%
d4-1,2-Dichlorobenzene	54.0%	d5-Nitrobenzene	49.6%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2

Sample ID: LWG0106R002TSSPWBC10
SAMPLE

Lab Sample ID: FA37E

QC Report No: FA37-Striplin Environmental
LIMS ID: 02-17590 Project: B01-01-34c

Matrix: Tissue

Date Analyzed: 05/29/03 22:07

CAS Number	Analyte	µg/kg
2,4,6-Tribromophenol	53.6% d14-p-Terphenyl	69.6%



ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

ANALYTICAL
RESOURCES
INCORPORATED

Sample ID: LWG0106R002TSSPWBC10
SAMPLE

Lab Sample ID: FA37E
LIMS ID: 02-17590
Matrix: Tissue
Data Release Authorized:
Reported: 06/06/03

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

Date Sampled: 08/09/02
Date Received: 12/02/02

Date Extracted: 05/13/03
Date Analyzed: 05/26/03 15:50
Instrument/Analyst: FINN8/PK
GPC Cleanup: YES

Sample Amount: 3.03 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 6.00 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	330 U
111-44-4	Bis-(2-Chloroethyl) Ether	330 U
95-57-8	2-Chlorophenol	170 U
541-73-1	1,3-Dichlorobenzene	170 U
106-46-7	1,4-Dichlorobenzene	170 U
100-51-6	Benzyl Alcohol	330 U
95-50-1	1,2-Dichlorobenzene	170 U
95-48-7	2-Methylphenol	170 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	170 U
106-44-5	4-Methylphenol	170 U
621-64-7	N-Nitroso-Di-N-Propylamine	330 U
67-72-1	Hexachloroethane	330 U
98-95-3	Nitrobenzene	170 U
105-67-9	2,4-Dimethylphenol	500 U
111-91-1	bis(2-Chloroethoxy) Methane	170 U
120-83-2	2,4-Dichlorophenol	500 U
120-82-1	1,2,4-Trichlorobenzene	170 U
91-20-3	Naphthalene	170 U
106-47-8	4-Chloroaniline	500 U
87-68-3	Hexachlorobutadiene	330 U
59-50-7	4-Chloro-3-methylphenol	330 U
91-57-6	2-Methylnaphthalene	170 U
77-47-4	Hexachlorocyclopentadiene	830 U
88-06-2	2,4,6-Trichlorophenol	830 U
95-95-4	2,4,5-Trichlorophenol	830 U
91-58-7	2-Chloronaphthalene	170 U
88-74-4	2-Nitroaniline	830 U
131-11-3	Dimethylphthalate	170 U
208-96-8	Acenaphthylene	170 U
99-09-2	3-Nitroaniline	830 U
83-32-9	Acenaphthene	170 U
51-28-5	2,4-Dinitrophenol	3,300 U
100-02-7	4-Nitrophenol	1,700 U
132-64-9	Dibenzofuran	170 U
606-20-2	2,6-Dinitrotoluene	830 U
121-14-2	2,4-Dinitrotoluene	830 U
84-66-2	Diethylphthalate	170 U
7005-72-3	4-Chlorophenyl-phenylether	170 U
86-73-7	Fluorene	170 U
100-01-6	4-Nitroaniline	830 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,300 U
86-30-6	N-Nitrosodiphenylamine	170 U
101-55-3	4-Bromophenyl-phenylether	170 U
118-74-1	Hexachlorobenzene	170 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0106R002TSSPWBC10
SAMPLE

Lab Sample ID: FA37E
LIMS ID: 02-17590
Matrix: Tissue
Date Analyzed: 05/26/03 15:50

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	$\mu\text{g}/\text{kg-as-rec}$
87-86-5	Pentachlorophenol	1,700 U
85-01-8	Phenanthrene	170 U
86-74-8	Carbazole	330 U
120-12-7	Anthracene	170 U
84-74-2	Di-n-Butylphthalate	330 U
206-44-0	Fluoranthene	170 U
129-00-0	Pyrene	170 U
85-68-7	Butylbenzylphthalate	330 U
91-94-1	3,3'-Dichlorobenzidine	1,700 U
56-55-3	Benzo(a)anthracene	170 U
117-81-7	bis(2-Ethylhexyl)phthalate	1,000 ✓ u
218-01-9	Chrysene	170 U
117-84-0	Di-n-Octyl phthalate	330 U
205-99-2	Benzo(b)fluoranthene	170 U
207-08-9	Benzo(k)fluoranthene	170 U
50-32-8	Benzo(a)pyrene	170 U
193-39-5	Indeno(1,2,3-cd)pyrene	170 U
53-70-3	Dibenz(a,h)anthracene	170 U
191-24-2	Benzo(g,h,i)perylene	170 U
62-75-9	N-Nitrosodimethylamine	830 U
103-33-3	Azobenzene	170 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,700 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,700 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.8%	2-Fluorobiphenyl	79.8%
d14-p-Terphenyl	77.8%	d4-1,2-Dichlorobenzene	61.8%
d5-Phenol	73.3%	2-Fluorophenol	52.3%
2,4,6-Tribromophenol	77.3%	d4-2-Chlorophenol	64.8%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0106R002TSSPWBC10

Lab Sample ID: FA37E
LIMS ID: 02-17590
Matrix: Tissue

QC Report No: FA37-Striplin Environmental
Project: B01-01-34c
Date Sampled: 08/09/02
Date Received: 12/02/02

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Analyzed: 05/26/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Alkane_____	17.75	SVOA	2,200 J N
2. --	Unknown_Aldehyde_____	20.95	SVOA	680 J
3. --	Unknown_Acid_Ester_____	22.37	SVOA	1,400 J
4. --	Unknown_Organic_Acid_____	22.83	SVOA	3,600 J
5. --	Unknown_Organic_Acid_____	23.08	SVOA	2,400 J
6. --	Unknown_Aldehyde_____	23.23	SVOA	1,300 J
7. --	Unknown_____	23.28	SVOA	780 J
8. --	Unknown_Aldehyde_____	23.53	SVOA	1,300 J
9. --	Unknown_Acid_Ester_____	24.48	SVOA	1,600 J
10. --	Unknown_Acid_Ester_____	24.80	SVOA	690 J
11. --	Unknown_Organic_Acid_____	25.28	SVOA	4,100 J
12. --	Unknown_Organic_Acid_____	26.37	SVOA	1,000 J
13. --	Unknown_Alkene_____	31.92	SVOA	15,000 J
14. --	Unknown_Sterol_type_____	34.53	SVOA	77,000 J
15. _____	_____	_____	_____	_____
16. _____	_____	_____	_____	_____
17. _____	_____	_____	_____	_____
18. _____	_____	_____	_____	_____
19. _____	_____	_____	_____	_____
20. _____	_____	_____	_____	_____

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0103R014TSLSWBC10
SAMPLE

Lab Sample ID: FA39A
LIMS ID: 02-17594

Matrix: Tissue

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Extracted: 05/13/03
Date Analyzed: 05/29/03 22:42
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/22/02
Date Received: 12/02/02

Sample Amount: 3.85 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	µg/kg
91-20-3	Naphthalene	26 U
91-57-6	2-Methylnaphthalene	26 U
208-96-8	Acenaphthylene	26 U
83-32-9	Acenaphthene	26 U
86-73-7	Fluorene	26 U
85-01-8	Phenanthrene	26 U
86-74-8	Carbazole	26 U
120-12-7	Anthracene	26 U
206-44-0	Fluoranthene	26 U
129-00-0	Pyrene	26 U
56-55-3	Benzo(a)anthracene	26 U
218-01-9	Chrysene	26 U
205-99-2	Benzo(b)fluoranthene	26 U
207-08-9	Benzo(k)fluoranthene	26 U
50-32-8	Benzo(a)pyrene	26 U
193-39-5	Indeno(1,2,3-cd)pyrene	26 U
53-70-3	Dibenz(a,h)anthracene	26 U
191-24-2	Benzo(g,h,i)perylene	26 U
132-64-9	Dibenzofuran	36 X JN
106-46-7	1,4-Dichlorobenzene	26 U
120-82-1	1,2,4-Trichlorobenzene	26 U
118-74-1	Hexachlorobenzene	26 U
87-68-3	Hexachlorobutadiene	26 U
106-44-5	4-Methylphenol	26 U
117-81-7	bis(2-Ethylhexyl)phthalate	78 U
87-86-5	Pentachlorophenol	130 U
95-50-1	1,2-Dichlorobenzene	26 U
541-73-1	1,3-Dichlorobenzene	26 U
121-14-2	2,4-Dinitrotoluene	26 U
106-47-8	4-Chloroaniline	130 U
111-44-4	Bis-(2-Chloroethyl) Ether	26 U
621-64-7	N-Nitroso-Di-N-Propylamine	26 U
95-57-8	2-Chlorophenol	26 U
120-83-2	2,4-Dichlorophenol	26 U
88-06-2	2,4,6-Trichlorophenol	26 U
122-66-7	1,2-Diphenylhydrazine	26 U
606-20-2	2,6-Dinitrotoluene	26 U
91-58-7	2-Chloronaphthalene	26 U
101-55-3	4-Bromophenyl-phenylether	26 U
7005-72-3	4-Chlorophenyl-phenylether	65 U
67-72-1	Hexachloroethane	26 U
98-95-3	Nitrobenzene	26 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	58.0%	d5-Phenol	52.3%
2-Fluorophenol	41.1%	d4-2-Chlorophenol	54.1%
d4-1,2-Dichlorobenzene	50.4%	d5-Nitrobenzene	48.0%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2Sample ID: LWG0103R014TSLSWBC10
SAMPLE

Lab Sample ID: FA39A

LIMS ID: 02-17594

Matrix: Tissue

Date Analyzed: 05/29/03 22:42

QC Report No.: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg	
2,4,6-Tribromophenol	64.3%	d14-p-Terphenyl	56.8%

000032

FORM I

A handwritten signature in black ink, appearing to read "John" or "Johnson". It is written in a cursive style with a diagonal line through it.

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0103R014TSLSWBC10
SAMPLE

Lab Sample ID: FA39A
LIMS ID: 02-17594

Matrix: Tissue

Data Release Authorized: *[Signature]*
Reported: 06/06/03

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/22/02
Date Received: 12/02/02

Date Extracted: 05/13/03
Date Analyzed: 05/26/03 17:25
Instrument/Analyst: FINN8/PK
GPC Cleanup: YES

Sample Amount: 3.85 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 8.70 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	260 U
111-44-4	Bis-(2-Chloroethyl) Ether	260 U
95-57-8	2-Chlorophenol	130 U
541-73-1	1,3-Dichlorobenzene	130 U
106-46-7	1,4-Dichlorobenzene	130 U
100-51-6	Benzyl Alcohol	260 U
95-50-1	1,2-Dichlorobenzene	130 U
95-48-7	2-Methylphenol	130 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	130 U
106-44-5	4-Methylphenol	130 U
621-64-7	N-Nitroso-Di-N-Propylamine	260 U
67-72-1	Hexachloroethane	260 U
98-95-3	Nitrobenzene	130 U
105-67-9	2,4-Dimethylphenol	390 U
111-91-1	bis(2-Chloroethoxy) Methane	130 U
120-83-2	2,4-Dichlorophenol	390 U
120-82-1	1,2,4-Trichlorobenzene	130 U
91-20-3	Naphthalene	130 U
106-47-8	4-Chloroaniline	390 U
87-68-3	Hexachlorobutadiene	260 U
59-50-7	4-Chloro-3-methylphenol	260 U
91-57-6	2-Methylnaphthalene	130 U
77-47-4	Hexachlorocyclopentadiene	650 U
88-06-2	2,4,6-Trichlorophenol	650 U
95-95-4	2,4,5-Trichlorophenol	650 U
91-58-7	2-Chloronaphthalene	130 U
88-74-4	2-Nitroaniline	650 U
131-11-3	Dimethylphthalate	130 U
208-96-8	Acenaphthylene	130 U
99-09-2	3-Nitroaniline	650 U
83-32-9	Acenaphthene	130 U
51-28-5	2,4-Dinitrophenol	2,600 U
100-02-7	4-Nitrophenol	1,300 U
132-64-9	Dibenzofuran	130 U
606-20-2	2,6-Dinitrotoluene	650 U
121-14-2	2,4-Dinitrotoluene	650 U
84-66-2	Diethylphthalate	130 U
7005-72-3	4-Chlorophenyl-phenylether	130 U
86-73-7	Fluorene	130 U
100-01-6	4-Nitroaniline	650 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,600 U
86-30-6	N-Nitrosodiphenylamine	130 U
101-55-3	4-Bromophenyl-phenylether	130 U
118-74-1	Hexachlorobenzene	130 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0103R014TSLSWBC10
SAMPLE

Lab Sample ID: FA39A
LIMS ID: 02-17594
Matrix: Tissue
Date Analyzed: 05/26/03 17:25

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	$\mu\text{g}/\text{kg-as-rec}$
87-86-5	Pentachlorophenol	1,300 U
85-01-8	Phenanthrene	130 U
86-74-8	Carbazole	260 U
120-12-7	Anthracene	130 U
84-74-2	Di-n-Butylphthalate	260 U
206-44-0	Fluoranthene	130 U
129-00-0	Pyrene	130 U
85-68-7	Butylbenzylphthalate	260 U
91-94-1	3,3'-Dichlorobenzidine	1,300 U
56-55-3	Benzo(a)anthracene	130 U
117-81-7	bis(2-Ethylhexyl)phthalate	770 <i>x w</i>
218-01-9	Chrysene	130 U
117-84-0	Di-n-Octyl phthalate	260 U
205-99-2	Benzo(b)fluoranthene	130 U
207-08-9	Benzo(k)fluoranthene	130 U
50-32-8	Benzo(a)pyrene	130 U
193-39-5	Indeno(1,2,3-cd)pyrene	130 U
53-70-3	Dibenz(a,h)anthracene	130 U
191-24-2	Benzo(g,h,i)perylene	130 U
62-75-9	N-Nitrosodimethylamine	650 U
103-33-3	Azobenzene	130 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,300 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,300 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	59.9%	2-Fluorobiphenyl	75.5%
d14-p-Terphenyl	68.5%	d4-1,2-Dichlorobenzene	57.0%
d5-Phenol	69.5%	2-Fluorophenol	55.8%
2,4,6-Tribromophenol	88.6%	d4-2-Chlorophenol	65.2%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0103R014TSLSWBC10

Lab Sample ID: FA39A
LIMS ID: 02-17594
Matrix: Tissue

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/22/02
Date Received: 12/02/02

Data Release Authorized: 
Reported: 06/06/03

Date Analyzed: 05/26/03

CAS Number	Tentative Identification	RT	Fraction	$\mu\text{g}/\text{kg}$
1. --	Unknown_Organic_Acid_____	17.55	SVOA	1,800 J N
2. --	Unknown_Hydrocarbon_____	18.93	SVOA	1,400 J
3. --	Unknown_Hydrocarbon_____	19.03	SVOA	2,400 J
4. --	Unknown_Alkene_____	19.25	SVOA	4,900 J
5. --	Unknown_Alkane_____	19.35	SVOA	4,300 J
6. --	Unknown_Ketone_____	20.20	SVOA	2,800 J
7. --	Unknown_Organic_Acid_____	20.60	SVOA	9,800 J
8. --	Unknown_Aldehyde_____	20.95	SVOA	1,600 J
9. --	Unknown_Organic_Acid_____	21.27	SVOA	1,500 J
10. --	Unknown_Organic_Acid_____	21.75	SVOA	2,400 J
11. --	Unknown_Acid_Ester_____	21.95	SVOA	1,200 J
12. --	Unknown_Alkane_____	22.02	SVOA	890 J
13. --	Unknown_Acid_Ester_____	22.10	SVOA	1,800 J
14. --	Unknown_Acid_Ester_____	22.38	SVOA	1,200 J
15. --	Unknown_Organic_Acid_____	23.57	SVOA	210,000 J
16. --	Unknown_Organic_Acid_____	23.83	SVOA	110,000 J
17. --	Unknown_Organic_Acid_____	26.00	SVOA	350,000 J
18. --	Unknown_Hydrocarbon_____	27.65	SVOA	260,000 J
19. --	Unknown_Alkene_____	31.95	SVOA	16,000 J
20. --	Unknown_Sterol_type_____	34.50	SVOA	16,000 J

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0108R010TSLSWBC00
SAMPLE

Lab Sample ID: FA39B
LIMS ID: 02-17595

QC Report No: FA39-Striplin Environmental
Project: B01-01-34C

Matrix: Tissue

Date Sampled: 08/12/02
Date Received: 12/02/02

Data Release Authorized: *[Signature]*

Reported: 06/06/03

Date Extracted: 05/13/03

Sample Amount: 3.37 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Date Analyzed: 05/29/03 23:17

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

CAS Number	Analyte	µg/kg
91-20-3	Naphthalene	30 U
91-57-6	2-Methylnaphthalene	30 U
208-96-8	Acenaphthylene	30 U
83-32-9	Acenaphthene	30 U
86-73-7	Fluorene	30 U
85-01-8	Phenanthrene	30 U
86-74-8	Carbazole	30 U
120-12-7	Anthracene	30 U
206-44-0	Fluoranthene	30 U
129-00-0	Pyrene	30 U
56-55-3	Benzo(a)anthracene	30 U
218-01-9	Chrysene	30 U
205-99-2	Benzo(b)fluoranthene	30 U
207-08-9	Benzo(k)fluoranthene	30 U
50-32-8	Benzo(a)pyrene	30 U
193-39-5	Indeno(1,2,3-cd)pyrene	30 U
53-70-3	Dibenz(a,h)anthracene	30 U
191-24-2	Benzo(g,h,i)perylene	30 U
132-64-9	Dibenzofuran	30 U
106-46-7	1,4-Dichlorobenzene	30 U
120-82-1	1,2,4-Trichlorobenzene	30 U
118-74-1	Hexachlorobenzene	30 U
87-68-3	Hexachlorobutadiene	30 U
106-44-5	4-Methylphenol	30 U
117-81-7	bis(2-Ethylhexyl)phthalate	3,000 BE
87-86-5	Pentachlorophenol	150 U
95-50-1	1,2-Dichlorobenzene	30 U
541-73-1	1,3-Dichlorobenzene	30 U
121-14-2	2,4-Dinitrotoluene	30 U
106-47-8	4-Chloroaniline	150 U
111-44-4	Bis-(2-Chloroethyl) Ether	30 U
621-64-7	N-Nitroso-Di-N-Propylamine	30 U
95-57-8	2-Chlorophenol	30 U
120-83-2	2,4-Dichlorophenol	30 U
88-06-2	2,4,6-Trichlorophenol	30 U
122-66-7	1,2-Diphenylhydrazine	30 U
606-20-2	2,6-Dinitrotoluene	30 U
91-58-7	2-Chloronaphthalene	30 U
101-55-3	4-Bromophenyl-phenylether	30 U
7005-72-3	4-Chlorophenyl-phenylether	74 U
67-72-1	Hexachloroethane	30 U
98-95-3	Nitrobenzene	30 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	69.6%	d5-Phenol	52.5%
2-Fluorophenol	40.0%	d4-2-Chlorophenol	54.1%
d4-1,2-Dichlorobenzene	48.8%	d5-Nitrobenzene	50.4%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2Sample ID: LWG0108R010TSLSWBC00
SAMPLELab Sample ID: FA39B
LIMS ID: 02-17595
Matrix: Tissue
Date Analyzed: 05/29/03 23:17QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg	
2,4,6-Tribromophenol	72.0%	d14-p-Terphenyl	61.6%

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ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0108R010TSLSWBC00
SAMPLE

Lab Sample ID: FA39B

LIMS ID: 02-17595

Matrix: Tissue

Data Release Authorized: *[Signature]*

Reported: 06/06/03

Date Extracted: 05/13/03

Date Analyzed: 05/26/03 19:00

Instrument/Analyst: FINN8/PK

GPC Cleanup: YES

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 08/12/02

Date Received: 12/02/02

Sample Amount: 3.37 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 7.50 %

CAS Number	Analyte	$\mu\text{g}/\text{kg-as-rec}$
108-95-2	Phenol	300 U
111-44-4	Bis-(2-Chloroethyl) Ether	300 U
95-57-8	2-Chlorophenol	150 U
541-73-1	1,3-Dichlorobenzene	150 U
106-46-7	1,4-Dichlorobenzene	150 U
100-51-6	Benzyl Alcohol	300 U
95-50-1	1,2-Dichlorobenzene	150 U
95-48-7	2-Methylphenol	150 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	150 U
106-44-5	4-Methylphenol	150 U
621-64-7	N-Nitroso-Di-N-Propylamine	300 U
67-72-1	Hexachloroethane	300 U
98-95-3	Nitrobenzene	150 U
105-67-9	2,4-Dimethylphenol	450 U
111-91-1	bis(2-Chloroethoxy) Methane	150 U
120-83-2	2,4-Dichlorophenol	450 U
120-82-1	1,2,4-Trichlorobenzene	150 U
91-20-3	Naphthalene	150 U
106-47-8	4-Chloroaniline	450 U
87-68-3	Hexachlorobutadiene	300 U
59-50-7	4-Chloro-3-methylphenol	300 U
91-57-6	2-Methylnaphthalene	150 U
77-47-4	Hexachlorocyclopentadiene	740 U
88-06-2	2,4,6-Trichlorophenol	740 U
95-95-4	2,4,5-Trichlorophenol	740 U
91-58-7	2-Chloronaphthalene	150 U
88-74-4	2-Nitroaniline	740 U
131-11-3	Dimethylphthalate	150 U
208-96-8	Acenaphthylene	150 U
99-09-2	3-Nitroaniline	740 U
83-32-9	Acenaphthene	150 U
51-28-5	2,4-Dinitrophenol	3,000 U
100-02-7	4-Nitrophenol	1,500 U
132-64-9	Dibenzo-furan	150 U
606-20-2	2,6-Dinitrotoluene	740 U
121-14-2	2,4-Dinitrotoluene	740 U
84-66-2	Diethylphthalate	150 U
7005-72-3	4-Chlorophenyl-phenylether	150 U
86-73-7	Fluorene	150 U
100-01-6	4-Nitroaniline	740 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,000 U
86-30-6	N-Nitrosodiphenylamine	150 U
101-55-3	4-Bromophenyl-phenylether	150 U
118-74-1	Hexachlorobenzene	150 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0108R010TSLSWBC00
SAMPLE

Lab Sample ID: FA39B
LIMS ID: 02-17595
Matrix: Tissue
Date Analyzed: 05/26/03 19:00

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	$\mu\text{g}/\text{kg-as-rec}$
87-86-5	Pentachlorophenol	1,500 U
85-01-8	Phenanthrene	150 U
86-74-8	Carbazole	300 U
120-12-7	Anthracene	150 U
84-74-2	Di-n-Butylphthalate	300 U
206-44-0	Fluoranthene	150 U
129-00-0	Pyrene	150 U
85-68-7	Butylbenzylphthalate	300 U
91-94-1	3,3'-Dichlorobenzidine	1,500 U
56-55-3	Benzo(a)anthracene	150 U
117-81-7	bis(2-Ethylhexyl)phthalate	4,300 P J
218-01-9	Chrysene	150 U
117-84-0	Di-n-Octyl phthalate	300 U
205-99-2	Benzo(b)fluoranthene	150 U
207-08-9	Benzo(k)fluoranthene	150 U
50-32-8	Benzo(a)pyrene	150 U
193-39-5	Indeno(1,2,3-cd)pyrene	150 U
53-70-3	Dibenz(a,h)anthracene	150 U
191-24-2	Benzo(g,h,i)perylene	150 U
62-75-9	N-Nitrosodimethylamine	740 U
103-33-3	Azobenzene	150 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,500 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,500 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.5%	2-Fluorobiphenyl	81.2%
d14-p-Terphenyl	74.0%	d4-1,2-Dichlorobenzene	57.0%
d5-Phenol	69.3%	2-Fluorophenol	55.4%
2,4,6-Tribromophenol	93.9%	d4-2-Chlorophenol	64.4%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0108R010TSLSWBC00

Lab Sample ID: FA39B
LIMS ID: 02-17595
Matrix: Tissue

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c
Date Sampled: 08/12/02
Date Received: 12/02/02

Data Release Authorized: *J*
Reported: 06/06/03

Date Analyzed: 05/26/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Alkene_____	16.27	SVOA	1,200 J <i>N</i>
2. --	Unknown_Alkane_____	16.38	SVOA	1,200 J
3. --	Unknown_Hydrocarbon_____	18.93	SVOA	1,400 J
4. --	Unknown_Alkene_____	19.27	SVOA	7,500 J
5. --	Unknown_Alkane_____	19.35	SVOA	6,300 J
6. --	Unknown_Alkene_____	20.12	SVOA	2,200 J
7. --	Unknown_Organic_Acid_____	20.55	SVOA	8,000 J
8. --	Unknown_Organic_Acid_____	21.73	SVOA	1,600 J
9. --	Unknown_Acid_Ester_____	22.12	SVOA	1,500 J
10. --	Unknown_Acid_Ester_____	22.38	SVOA	3,000 J
11. --	Unknown_Organic_Acid_____	23.48	SVOA	170,000 J
12. --	Unknown_Organic_Acid_____	23.77	SVOA	130,000 J
13. --	Unknown_Acid_Ester_____	24.87	SVOA	2,100 J
14. --	Unknown_Organic_Acid_____	25.90	SVOA	290,000 J
15. --	Unknown_Hydrocarbon_____	27.63	SVOA	350,000 J
16. --	Unknown_Nitrile_____	31.15	SVOA	8,800 J
17. --	Unknown_____	31.50	SVOA	2,500 J
18. --	Unknown_Alkene_____	31.97	SVOA	15,000 J
19. --	Unknown_Sterol_type_____	34.53	SVOA	41,000 J
20. --	Unknown_Acid_Ester_____	37.97	SVOA	1,700 J <i>V</i>

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0105R006TSLSWBC00
SAMPLE

Lab Sample ID: FA39C
LIMS ID: 02-17596
Matrix: Tissue
Data Release Authorized: *CH*
Reported: 06/06/03

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/29/02
Date Received: 12/02/02

Date Extracted: 05/13/03
Date Analyzed: 05/29/03 23:52
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 3.08 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	µg/kg
91-20-3	Naphthalene	32 U
91-57-6	2-Methylnaphthalene	32 U
208-96-8	Acenaphthylene	32 U
83-32-9	Acenaphthene	39 ✓ 4 ✓ 4 ✓ 5 ✓
86-73-7	Fluorene	42 ✓
85-01-8	Phenanthrene	32 U
86-74-8	Carbazole	32 U
120-12-7	Anthracene	32 U
206-44-0	Fluoranthene	32 U
129-00-0	Pyrene	32 U
56-55-3	Benz(a)anthracene	32 U
218-01-9	Chrysene	32 U
205-99-2	Benz(b)fluoranthene	32 U
207-08-9	Benz(k)fluoranthene	32 U
50-32-8	Benz(a)pyrene	32 U
193-39-5	Indeno(1,2,3-cd)pyrene	32 U
53-70-3	Dibenz(a,h)anthracene	32 U
191-24-2	Benz(g,h,i)perylene	32 U
132-64-9	Dibenzofuran	39 ✓ 4 ✓ 5 ✓
106-46-7	1,4-Dichlorobenzene	32 U
120-82-1	1,2,4-Trichlorobenzene	32 U
118-74-1	Hexachlorobenzene	32 U
87-68-3	Hexachlorobutadiene	32 U
106-44-5	4-Methylphenol	32 U
117-81-7	bis(2-Ethylhexyl)phthalate	97 U
87-86-5	Pentachlorophenol	160 U
95-50-1	1,2-Dichlorobenzene	32 U
541-73-1	1,3-Dichlorobenzene	32 U
121-14-2	2,4-Dinitrotoluene	32 U
106-47-8	4-Chloroaniline	160 U
111-44-4	Bis-(2-Chloroethyl) Ether	32 U
621-64-7	N-Nitroso-Di-N-Propylamine	32 U
95-57-8	2-Chlorophenol	32 U
120-83-2	2,4-Dichlorophenol	32 U
88-06-2	2,4,6-Trichlorophenol	32 U
122-66-7	1,2-Diphenylhydrazine	32 U
606-20-2	2,6-Dinitrotoluene	32 U
91-58-7	2-Chloronaphthalene	32 U
101-55-3	4-Bromophenyl-phenylether	32 U
7005-72-3	4-Chlorophenyl-phenylether	81 U
67-72-1	Hexachloroethane	32 U
98-95-3	Nitrobenzene	32 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	61.2%	d5-Phenol	53.6%
2-Fluorophenol	41.3%	d4-2-Chlorophenol	55.2%
d4-1,2-Dichlorobenzene	50.0%	d5-Nitrobenzene	49.2%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2Sample ID: LWG0105R006TSLSWBC00
SAMPLELab Sample ID: FA39C
LIMS ID: 02-17596
Matrix: Tissue
Date Analyzed: 05/29/03 23:52QC Report No: FA39-Striplin Environmental
Project: B01-01-34C

CAS Number	Analyte	µg/kg
2,4,6-Tribromophenol	62.4% d14-p-Terphenyl	58.8%

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ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0105R006TSLSWBC00
SAMPLE

Lab Sample ID: FA39C
LIMS ID: 02-17596

Matrix: Tissue

Data Release Authorized: *[Signature]*
Reported: 06/06/03

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 07/29/02
Date Received: 12/02/02

Sample Amount: 3.08 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Date Extracted: 05/13/03
Date Analyzed: 05/26/03 20:35
Instrument/Analyst: FINN8/PK
GPC Cleanup: YES

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	320 U
111-44-4	Bis-(2-Chloroethyl) Ether	320 U
95-57-8	2-Chlorophenol	160 U
541-73-1	1,3-Dichlorobenzene	160 U
106-46-7	1,4-Dichlorobenzene	160 U
100-51-6	Benzyl Alcohol	320 U
95-50-1	1,2-Dichlorobenzene	160 U
95-48-7	2-Methylphenol	160 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	160 U
106-44-5	4-Methylphenol	160 U
621-64-7	N-Nitroso-Di-N-Propylamine	320 U
67-72-1	Hexachloroethane	320 U
98-95-3	Nitrobenzene	160 U
105-67-9	2,4-Dimethylphenol	490 U
111-91-1	bis(2-Chloroethoxy) Methane	160 U
120-83-2	2,4-Dichlorophenol	490 U
120-82-1	1,2,4-Trichlorobenzene	160 U
91-20-3	Naphthalene	160 U
106-47-8	4-Chloroaniline	490 U
87-68-3	Hexachlorobutadiene	320 U
59-50-7	4-Chloro-3-methylphenol	320 U
91-57-6	2-Methylnaphthalene	160 U
77-47-4	Hexachlorocyclopentadiene	810 U
88-06-2	2,4,6-Trichlorophenol	810 U
95-95-4	2,4,5-Trichlorophenol	810 U
91-58-7	2-Chloronaphthalene	160 U
88-74-4	2-Nitroaniline	810 U
131-11-3	Dimethylphthalate	160 U
208-96-8	Acenaphthylene	160 U
99-09-2	3-Nitroaniline	810 U
83-32-9	Acenaphthene	160 U
51-28-5	2,4-Dinitrophenol	3,200 U
100-02-7	4-Nitrophenol	1,600 U
132-64-9	Dibenzofuran	160 U
606-20-2	2,6-Dinitrotoluene	810 U
121-14-2	2,4-Dinitrotoluene	810 U
84-66-2	Diethylphthalate	160 U
7005-72-3	4-Chlorophenyl-phenylether	160 U
86-73-7	Fluorene	160 U
100-01-6	4-Nitroaniline	810 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,200 U
86-30-6	N-Nitrosodiphenylamine	160 U
101-55-3	4-Bromophenyl-phenylether	160 U
118-74-1	Hexachlorobenzene	160 U
87-86-5	Pentachlorophenol	1,600 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0105R006TSLSWBC00
SAMPLE

Lab Sample ID: FA39C
LIMS ID: 02-17596
Matrix: Tissue
Date Analyzed: 05/26/03 20:35

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg-as-rec
85-01-8	Phenanthrene	160 U
86-74-8	Carbazole	320 U
120-12-7	Anthracene	160 U
84-74-2	Di-n-Butylphthalate	320 U
206-44-0	Fluoranthene	160 U
129-00-0	Pyrene	160 U
85-68-7	Butylbenzylphthalate	320 U
91-94-1	3,3'-Dichlorobenzidine	1,600 U
56-55-3	Benzo(a)anthracene	160 U
117-81-7	bis(2-Ethylhexyl)phthalate	970 ✓ u
218-01-9	Chrysene	160 U
117-84-0	Di-n-Octyl phthalate	320 U
205-99-2	Benzo(b)fluoranthene	160 U
207-08-9	Benzo(k)fluoranthene	160 U
50-32-8	Benzo(a)pyrene	160 U
193-39-5	Indeno(1,2,3-cd)pyrene	160 U
53-70-3	Dibenz(a,h)anthracene	160 U
191-24-2	Benzo(g,h,i)perylene	160 U
62-75-9	N-Nitrosodimethylamine	810 U
103-33-3	Azobenzene	160 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,600 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,600 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.5%	2-Fluorobiphenyl	79.9%
d14-p-Terphenyl	77.4%	d4-1,2-Dichlorobenzene	58.4%
d5-Phenol	70.9%	2-Fluorophenol	56.8%
2,4,6-Tribromophenol	89.1%	d4-2-Chlorophenol	66.6%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0105R006TSLSWBC00

Lab Sample ID: FA39C
LIMS ID: 02-17596
Matrix: Tissue

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c
Date Sampled: 07/29/02
Date Received: 12/02/02

Data Release Authorized:
Reported: 06/06/03

Date Analyzed: 05/26/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Hydrocarbon_____	18.93	SVOA	3,000 J
2. --	Unknown_Alkene_____	19.03	SVOA	7,600 J
3. --	Unknown_Alkene_____	19.25	SVOA	13,000 J
4. --	Unknown_Alkane_____	19.35	SVOA	15,000 J
5. --	Unknown_Hydrocarbon_____	20.12	SVOA	2,600 J
6. --	Unknown_Organic_Acid_____	20.60	SVOA	22,000 J
7. --	Unknown_Organic_Acid_____	21.30	SVOA	4,300 J
8. --	Unknown_Organic_Acid_____	21.78	SVOA	3,800 J
9. --	Unknown_Acid_Ester_____	21.95	SVOA	4,100 J
10. --	Unknown_Acid_Ester_____	22.12	SVOA	10,000 J
11. --	Unknown_Acid_Ester_____	22.38	SVOA	6,500 J
12. --	Unknown_Organic_Acid_____	23.63	SVOA	540,000 J
13. --	Unknown_Organic_Acid_____	23.88	SVOA	300,000 J
14. --	Unknown_Acid_Ester_____	24.57	SVOA	13,000 J
15. --	Unknown_Acid_Ester_____	24.87	SVOA	3,100 J
16. --	Unknown_Organic_Acid_____	26.05	SVOA	760,000 J
17. --	Unknown_Hydrocarbon_____	27.70	SVOA	450,000 J
18. --	Unknown_Hydrocarbon_____	29.10	SVOA	120,000 J
19. --	Unknown_Alkene_____	31.95	SVOA	11,000 J
20. --	Unknown_Sterol_type_____	34.52	SVOA	27,000 J

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0107R009TSLSWBC00
SAMPLE

Lab Sample ID: FA39D
LIMS ID: 02-17597
Matrix: Tissue
Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Extracted: 05/13/03
Date Analyzed: 05/30/03 00:26
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 08/07/02
Date Received: 12/02/02

Sample Amount: 3.85 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	µg/kg
91-20-3	Naphthalene	54
91-57-6	2-Methylnaphthalene	49
208-96-8	Acenaphthylene	26 U
83-32-9	Acenaphthene	65 <i>P</i> u
86-73-7	Fluorene	44 <i>M</i> u
85-01-8	Phenanthrene	26 U
86-74-8	Carbazole	26 U
120-12-7	Anthracene	26 U
206-44-0	Fluoranthene	26 U
129-00-0	Pyrene	26 U
56-55-3	Benzo(a)anthracene	26 U
218-01-9	Chrysene	26 U
205-99-2	Benzo(b)fluoranthene	26 U
207-08-9	Benzo(k)fluoranthene	26 U
50-32-8	Benzo(a)pyrene	26 U
193-39-5	Indeno(1,2,3-cd)pyrene	26 U
53-70-3	Dibenz(a,h)anthracene	26 U
191-24-2	Benzo(g,h,i)perylene	26 U
132-64-9	Dibenzofuran	36 <i>x JN</i> S
106-46-7	1,4-Dichlorobenzene	26 U
120-82-1	1,2,4-Trichlorobenzene	26 U
118-74-1	Hexachlorobenzene	26 U
87-68-3	Hexachlorobutadiene	26 U
106-44-5	4-Methylphenol	26 U
117-81-7	bis(2-Ethylhexyl)phthalate	78 U
87-86-5	Pentachlorophenol	130 U
95-50-1	1,2-Dichlorobenzene	26 U
541-73-1	1,3-Dichlorobenzene	26 U
121-14-2	2,4-Dinitrotoluene	26 U
106-47-8	4-Chloroaniline	130 U
111-44-4	Bis-(2-Chloroethyl) Ether	26 U
621-64-7	N-Nitroso-Di-N-Propylamine	26 U
95-57-8	2-Chlorophenol	26 U
120-83-2	2,4-Dichlorophenol	26 U
88-06-2	2,4,6-Trichlorophenol	26 U
122-66-7	1,2-Diphenylhydrazine	26 U
606-20-2	2,6-Dinitrotoluene	26 U
91-58-7	2-Chloronaphthalene	26 U
101-55-3	4-Bromophenyl-phenylether	26 U
7005-72-3	4-Chlorophenyl-phenylether	65 U
67-72-1	Hexachloroethane	26 U
98-95-3	Nitrobenzene	26 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	61.6%	d5-Phenol	56.3%
2-Fluorophenol	41.6%	d4-2-Chlorophenol	58.1%
d4-1,2-Dichlorobenzene	55.2%	d5-Nitrobenzene	49.2%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2Sample ID: LWG0107R009TSLSWBC00
SAMPLELab Sample ID: FA39D
LIMS ID: 02-17597
Matrix: Tissue
Date Analyzed: 05/30/03 00:26QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg
2,4,6-Tribromophenol	69.3% d14-p-Terphenyl	60.0%

A handwritten signature in blue ink, appearing to read "John". It is positioned at the bottom right of the page, with a large, thin-lined diagonal line extending from its top right corner towards the bottom left.

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Lab Sample ID: FA39D
LIMS ID: 02-17597

Matrix: Tissue

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Extracted: 05/13/03
Date Analyzed: 05/26/03 22:10
Instrument/Analyst: FINN8/PK
GPC Cleanup: YES

Sample ID: LWG0107R009TSLSWBC00
SAMPLE

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 08/07/02
Date Received: 12/02/02

Sample Amount: 3.85 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 6.90 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	260 U
111-44-4	Bis-(2-Chloroethyl) Ether	260 U
95-57-8	2-Chlorophenol	130 U
541-73-1	1,3-Dichlorobenzene	130 U
106-46-7	1,4-Dichlorobenzene	130 U
100-51-6	Benzyl Alcohol	260 U
95-50-1	1,2-Dichlorobenzene	130 U
95-48-7	2-Methylphenol	130 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	130 U
106-44-5	4-Methylphenol	130 U
621-64-7	N-Nitroso-Di-N-Propylamine	260 U
67-72-1	Hexachloroethane	260 U
98-95-3	Nitrobenzene	130 U
105-67-9	2,4-Dimethylphenol	390 U
111-91-1	bis(2-Chloroethoxy) Methane	130 U
120-83-2	2,4-Dichlorophenol	390 U
120-82-1	1,2,4-Trichlorobenzene	130 U
91-20-3	Naphthalene	130 U
106-47-8	4-Chloroaniline	390 U
87-68-3	Hexachlorobutadiene	260 U
59-50-7	4-Chloro-3-methylphenol	260 U
91-57-6	2-Methylnaphthalene	130 U
77-47-4	Hexachlorocyclopentadiene	650 U
88-06-2	2,4,6-Trichlorophenol	650 U
95-95-4	2,4,5-Trichlorophenol	650 U
91-58-7	2-Chloronaphthalene	130 U
88-74-4	2-Nitroaniline	650 U
131-11-3	Dimethylphthalate	130 U
208-96-8	Acenaphthylene	130 U
99-09-2	3-Nitroaniline	650 U
83-32-9	Acenaphthene	130 U
51-28-5	2,4-Dinitrophenol	2,600 U
100-02-7	4-Nitrophenol	1,300 U
132-64-9	Dibenzofuran	130 U
606-20-2	2,6-Dinitrotoluene	650 U
121-14-2	2,4-Dinitrotoluene	650 U
84-66-2	Diethylphthalate	130 U
7005-72-3	4-Chlorophenyl-phenylether	130 U
86-73-7	Fluorene	130 U
100-01-6	4-Nitroaniline	650 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,600 U
86-30-6	N-Nitrosodiphenylamine	130 U
101-55-3	4-Bromophenyl-phenylether	130 U
118-74-1	Hexachlorobenzene	130 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0107R009TSLSWBC00
SAMPLE

Lab Sample ID: FA39D
LIMS ID: 02-17597
Matrix: Tissue
Date Analyzed: 05/26/03 22:10

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	$\mu\text{g/kg-as-rec}$
87-86-5	Pentachlorophenol	1,300 U
85-01-8	Phenanthrene	130 U
86-74-8	Carbazole	260 U
120-12-7	Anthracene	130 U
84-74-2	Di-n-Butylphthalate	260 U
206-44-0	Fluoranthene	130 U
129-00-0	Pyrene	130 U
85-68-7	Butylbenzylphthalate	260 U
91-94-1	3,3'-Dichlorobenzidine	1,300 U
56-55-3	Benzo(a)anthracene	130 U
117-81-7	bis(2-Ethylhexyl)phthalate	800 B u
218-01-9	Chrysene	130 U
117-84-0	Di-n-Octyl phthalate	260 U
205-99-2	Benzo(b)fluoranthene	130 U
207-08-9	Benzo(k)fluoranthene	130 U
50-32-8	Benzo(a)pyrene	130 U
193-39-5	Indeno(1,2,3-cd)pyrene	130 U
53-70-3	Dibenz(a,h)anthracene	130 U
191-24-2	Benzo(g,h,i)perylene	130 U
62-75-9	N-Nitrosodimethylamine	650 U
103-33-3	Azobenzene	130 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,300 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,300 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.8%	2-Fluorobiphenyl	80.4%
d14-p-Terphenyl	82.8%	d4-1,2-Dichlorobenzene	61.0%
d5-Phenol	73.1%	2-Fluorophenol	56.5%
2,4,6-Tribromophenol	96.9%	d4-2-Chlorophenol	68.5%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0107R009TSLSWBC00

Lab Sample ID: FA39D
LIMS ID: 02-17597
Matrix: Tissue

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c
Date Sampled: 08/07/02
Date Received: 12/02/02

Data Release Authorized: *[Signature]*
Reported: 06/06/03

Date Analyzed: 05/26/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Hydrocarbon_____	18.93	SVOA	1,900 J <i>N</i>
2. --	Unknown_Alkene_____	19.03	SVOA	3,300 J
3. --	Unknown_Alkene_____	19.27	SVOA	12,000 J
4. --	Unknown_Alkane_____	19.35	SVOA	9,200 J
5. --	Unknown_Alkene_____	20.13	SVOA	4,000 J
6. --	Unknown_Organic_Acid_____	20.55	SVOA	10,000 J
7. --	Unknown_Aldehyde_____	20.97	SVOA	3,000 J
8. --	Unknown_Organic_Acid_____	21.27	SVOA	2,000 J
9. --	Unknown_____	21.52	SVOA	1,500 J
10. --	Unknown_Acid_Ester_____	21.95	SVOA	1,600 J
11. --	Unknown_Acid_Ester_____	22.12	SVOA	3,700 J
12. --	Unknown_Acid_Ester_____	22.38	SVOA	2,200 J
13. --	Unknown_Organic_Acid_____	23.55	SVOA	180,000 J
14. --	Unknown_Organic_Acid_____	23.82	SVOA	170,000 J
15. --	Unknown_Organic_Acid_____	25.95	SVOA	300,000 J
16. --	Unknown_Hydrocarbon_____	27.67	SVOA	210,000 J
17. --	Unknown_Hydrocarbon_____	29.17	SVOA	83,000 J
18. --	Unknown_____	31.97	SVOA	9,500 J
19. --	Unknown_Sterol_type_____	34.63	SVOA	130,000 J
20. --	Unknown_Sterol_type_____	35.47	SVOA	1,600 J

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 2

Sample ID: LWG0109R006TSLSWBC00
SAMPLE

Lab Sample ID: FA39E
LIMS ID: 02-17598

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Matrix: Tissue
Data Release Authorized
Reported: 06/06/03

Date Sampled: 08/14/02
Date Received: 12/02/02

Date Extracted: 05/13/03
Date Analyzed: 05/30/03 01:01
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 3.80 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	$\mu\text{g}/\text{kg}$
91-20-3	Naphthalene	26 U
91-57-6	2-Methylnaphthalene	26 U
208-96-8	Acenaphthylene	26 U
83-32-9	Acenaphthene	26 U
86-73-7	Fluorene	26 U
85-01-8	Phenanthrene	26 U
86-74-8	Carbazole	26 U
120-12-7	Anthracene	26 U
206-44-0	Fluoranthene	26 U
129-00-0	Pyrene	26 U
56-55-3	Benzo(a)anthracene	26 U
218-01-9	Chrysene	26 U
205-99-2	Benzo(b)fluoranthene	26 U
207-08-9	Benzo(k)fluoranthene	26 U
50-32-8	Benzo(a)pyrene	26 U
193-39-5	Indeno(1,2,3-cd)pyrene	26 U
53-70-3	Dibenz(a,h)anthracene	26 U
191-24-2	Benzo(g,h,i)perylene	26 U
132-64-9	Dibenzofuran	26 U
106-46-7	1,4-Dichlorobenzene	26 U
120-82-1	1,2,4-Trichlorobenzene	26 U
118-74-1	Hexachlorobenzene	26 U
87-68-3	Hexachlorobutadiene	26 U
106-44-5	4-Methylphenol	26 U
117-81-7	bis(2-Ethylhexyl)phthalate	79 U
87-86-5	Pentachlorophenol	130 U
95-50-1	1,2-Dichlorobenzene	26 U
541-73-1	1,3-Dichlorobenzene	26 U
121-14-2	2,4-Dinitrotoluene	26 U
106-47-8	4-Chloroaniline	130 U
111-44-4	Bis-(2-Chloroethyl) Ether	95 X JN
621-64-7	N-Nitroso-Di-N-Propylamine	26 U
95-57-8	2-Chlorophenol	26 U
120-83-2	2,4-Dichlorophenol	26 U
88-06-2	2,4,6-Trichlorophenol	26 U
122-66-7	1,2-Diphenylhydrazine	26 U
606-20-2	2,6-Dinitrotoluene	26 U
91-58-7	2-Chloronaphthalene	26 U
101-55-3	4-Bromophenyl-phenylether	26 U
7005-72-3	4-Chlorophenyl-phenylether	66 U
67-72-1	Hexachloroethane	26 U
98-95-3	Nitrobenzene	26 U

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	84.8%	d5-Phenol	72.8%
2-Fluorophenol	51.7%	d4-2-Chlorophenol	74.7%
d4-1,2-Dichlorobenzene	67.6%	d5-Nitrobenzene	63.6%

000059



ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 2 of 2Sample ID: LWG0109R006TSLSWBC00
SAMPLE

Lab Sample ID: FA39E

QC Report No: FA39-Striplin Environmental
LIMS ID: 02-17598 Project: B01-01-34c

Matrix: Tissue

Date Analyzed: 05/30/03 01:01

CAS Number	Analyte	µg/kg
2,4,6-Tribromophenol	99.5% d14-p-Terphenyl	80.0%

000040



ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LWG0109R006TSLSWBC00
SAMPLE

Lab Sample ID: FA39E
LIMS ID: 02-17598
Matrix: Tissue
Data Release Authorized: *MM*
Reported: 06/06/03

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

Date Sampled: 08/14/02
Date Received: 12/02/02

Sample Amount: 3.80 g-as-rec
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Lipids: 5.40 %

CAS Number	Analyte	µg/kg-as-rec
108-95-2	Phenol	260 U
111-44-4	Bis-(2-Chloroethyl) Ether	260 U
95-57-8	2-Chlorophenol	130 U
541-73-1	1,3-Dichlorobenzene	130 U
106-46-7	1,4-Dichlorobenzene	130 U
100-51-6	Benzyl Alcohol	260 U
95-50-1	1,2-Dichlorobenzene	130 U
95-48-7	2-Methylphenol	130 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	130 U
106-44-5	4-Methylphenol	130 U
621-64-7	N-Nitroso-Di-N-Propylamine	260 U
67-72-1	Hexachloroethane	260 U
98-95-3	Nitrobenzene	130 U
105-67-9	2,4-Dimethylphenol	390 U
111-91-1	bis(2-Chloroethoxy) Methane	130 U
120-83-2	2,4-Dichlorophenol	390 U
120-82-1	1,2,4-Trichlorobenzene	130 U
91-20-3	Naphthalene	130 U
106-47-8	4-Chloroaniline	390 U
87-68-3	Hexachlorobutadiene	260 U
59-50-7	4-Chloro-3-methylphenol	260 U
91-57-6	2-Methylnaphthalene	130 U
77-47-4	Hexachlorocyclopentadiene	660 U
88-06-2	2,4,6-Trichlorophenol	660 U
95-95-4	2,4,5-Trichlorophenol	660 U
91-58-7	2-Chloronaphthalene	130 U
88-74-4	2-Nitroaniline	660 U
131-11-3	Dimethylphthalate	130 U
208-96-8	Acenaphthylene	130 U
99-09-2	3-Nitroaniline	660 U
83-32-9	Acenaphthene	130 U
51-28-5	2,4-Dinitrophenol	2,600 U
100-02-7	4-Nitrophenol	1,300 U
132-64-9	Dibenzofuran	130 U
606-20-2	2,6-Dinitrotoluene	660 U
121-14-2	2,4-Dinitrotoluene	660 U
84-66-2	Diethylphthalate	130 U
7005-72-3	4-Chlorophenyl-phenylether	130 U
86-73-7	Fluorene	130 U
100-01-6	4-Nitroaniline	660 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,600 U
86-30-6	N-Nitrosodiphenylamine	130 U
101-55-3	4-Bromophenyl-phenylether	130 U
118-74-1	Hexachlorobenzene	130 U

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LWG0109R006TSLSWBC00
SAMPLE

Lab Sample ID: FA39E
LIMS ID: 02-17598
Matrix: Tissue
Date Analyzed: 05/26/03 23:44

QC Report No: FA39-Striplin Environmental
Project: B01-01-34c

CAS Number	Analyte	µg/kg-as-rec
87-86-5	Pentachlorophenol	1,300 U
85-01-8	Phenanthrene	130 U
86-74-8	Carbazole	260 U
120-12-7	Anthracene	130 U
84-74-2	Di-n-Butylphthalate	260 U
206-44-0	Fluoranthene	130 U
129-00-0	Pyrene	130 U
85-68-7	Butylbenzylphthalate	260 U
91-94-1	3,3'-Dichlorobenzidine	1,300 U
56-55-3	Benzo(a)anthracene	130 U
117-81-7	bis(2-Ethylhexyl)phthalate	800 ✓ u
218-01-9	Chrysene	130 U
117-84-0	Di-n-Octyl phthalate	260 U
205-99-2	Benzo(b)fluoranthene	130 U
207-08-9	Benzo(k)fluoranthene	130 U
50-32-8	Benzo(a)pyrene	130 U
193-39-5	Indeno(1,2,3-cd)pyrene	130 U
53-70-3	Dibenz(a,h)anthracene	130 U
191-24-2	Benzo(g,h,i)perylene	130 U
62-75-9	N-Nitrosodimethylamine	660 U
103-33-3	Azobenzene	130 U
935-95-5	2,3,5,6-Tetrachlorophenol	1,300 U
4901-51-3	2,3,4,5-Tetrachlorophenol	1,300 U

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.5%	2-Fluorobiphenyl	103%
d14-p-Terphenyl	113%	d4-1,2-Dichlorobenzene	75.7%
d5-Phenol	90.4%	2-Fluorophenol	71.0%
2,4,6-Tribromophenol	120%	d4-2-Chlorophenol	87.8%

ORGANICS ANALYSIS DATA SHEET
Tentatively Identified Compounds

Sample No: LWG0109R006TSLSWBC00

Lab Sample ID: FA39E
LIMS ID: 02-17598
Matrix: Tissue

QC Report No: FA39-Striplin Environmental
Project: B01-01-34C
Date Sampled: 08/14/02
Date Received: 12/02/02

Data Release Authorized:
Reported: 06/06/03

Date Analyzed: 05/26/03

CAS Number	Tentative Identification	RT	Fraction	µg/kg
1. --	Unknown_Alkene_____	16.27	SVOA	3,300 J N
2. --	Unknown_Hydrocarbon_____	18.92	SVOA	3,900 J
3. --	Unknown_Alkene_____	19.03	SVOA	2,800 J
4. --	Unknown_Alkene_____	19.25	SVOA	14,000 J
5. --	Unknown_Alkane_____	19.35	SVOA	7,200 J
6. --	Unknown_Alkene_____	20.12	SVOA	4,100 J
7. --	Unknown_Organic_Acid_____	20.70	SVOA	24,000 J
8. --	Unknown_Aldehyde_____	20.97	SVOA	2,800 J
9. --	Unknown_____	21.33	SVOA	3,800 J
10. --	Unknown_____	21.80	SVOA	4,100 J
11. --	Unknown_Acid_Ester_____	22.12	SVOA	3,100 J
12. --	Unknown_Acid_Ester_____	22.38	SVOA	4,700 J
13. --	Unknown_Organic_Acid_____	24.10	SVOA	1,800,000 J
14. --	Unknown_Hydrocarbon_____	26.27	SVOA	990,000 J
15. --	Unknown_Hydrocarbon_____	27.85	SVOA	520,000 J
16. --	Unknown_Hydrocarbon_____	29.28	SVOA	200,000 J
17. --	Unknown_Alkene_____	31.97	SVOA	7,900 J
18. --	Unknown_Sterol_type_____	34.73	SVOA	290,000 J
19. --	Unknown_Sterol_type_____	35.05	SVOA	2,400 J
20. --	Unknown_Sterol_type_____	35.47	SVOA	3,300 J

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 10/07/2002
 Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0609TSBBWBC10 Units: ug/Kg
 Lab Code: K2300044-001 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC <i>+ bop</i>	ND U	20 <i>U</i>	7.9	1	04/02/03	04/16/03	KWG0304485	
Hexachlorobenzene	ND U	20	9.5	1	04/02/03	04/16/03	KWG0304485	
beta-BHC	ND U	20	1.9	1	04/02/03	04/16/03	KWG0304485	
gamma-BHC (Lindane)	ND U	20	2.8	1	04/02/03	04/16/03	KWG0304485	
delta-BHC	ND U	20	1.5	1	04/02/03	04/16/03	KWG0304485	
Heptachlor	ND U	20	2.6	1	04/02/03	04/16/03	KWG0304485	
Aldrin	ND U	20	5.9	1	04/02/03	04/16/03	KWG0304485	
Heptachlor Epoxide	ND U	20 <i>U</i>	2.6	1	04/02/03	04/16/03	KWG0304485	
gamma-Chlordane	ND Ui	20 <i>U</i>	6.0	1	04/02/03	04/16/03	KWG0304485	
Endosulfan I <i>> +</i>	ND U	20 <i>U</i>	2.6	1	04/02/03	04/16/03	KWG0304485	
alpha-Chlordane	ND U	20 <i>U</i>	3.0	1	04/02/03	04/16/03	KWG0304485	
Dieldrin	ND Ui	20 <i>U</i>	2.0	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDE <i>✓</i>	26	20	2.2	1	04/02/03	04/16/03	KWG0304485	
Endrin	ND U	20 <i>U</i>	1.5	1	04/02/03	04/16/03	KWG0304485	
Endosulfan II	ND Ui	20 <i>U</i>	4.3	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDD <i>✓</i>	5.8 <i>✓</i>	20 <i>U</i>	3.0	1	04/02/03	04/16/03	KWG0304485	
Endrin Aldehyde	ND Ui	20 <i>U</i>	20	1	04/02/03	04/16/03	KWG0304485	
Endosulfan Sulfate	ND U	20 <i>U</i>	5.3	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDT <i>✓</i>	130	20 <i>U</i>	3.2	1	04/02/03	04/16/03	KWG0304485	
Endrin Ketone	ND U	20 <i>U</i>	2.6	1	04/02/03	04/16/03	KWG0304485	
Methoxychlor	ND U	20 <i>U</i>	4.2	1	04/02/03	04/16/03	KWG0304485	
Toxaphene	ND Ui	5700 <i>U</i>	5700	1	04/02/03	04/16/03	KWG0304485	
Oxychlordane	ND U	20 <i>U</i>	5.1	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDE	ND U	20	5.1	1	04/02/03	04/16/03	KWG0304485	
trans-Nonachlor	ND U	20 <i>U</i>	3.0	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDD <i>✓</i>	17 <i>IP</i>	20 <i>U</i>	2.6	1	04/02/03	04/16/03	KWG0304485	
cis-Nonachlor	ND U	20 <i>U</i>	4.0	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDT	ND Ui	26 <i>U</i>	26	1	04/02/03	04/16/03	KWG0304485	
Mirex	ND U	20 <i>U</i>	6.9	1	04/02/03	04/16/03	KWG0304485	
Hexachloroethane	ND U	20 <i>U</i>	3.6	1	04/02/03	04/16/03	KWG0304485	
Hexachlorobutadiene	ND U	20 <i>U</i>	4.0	1	04/02/03	04/16/03	KWG0304485	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/07/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0609TSBBWBC10 **Units:** ug/Kg
Lab Code: K2300044-001 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	79	38-109	04/16/03	Acceptable
Decachlorobiphenyl	108	51-120	04/16/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 10/03/2002
 Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0609TSBBWBC20 Units: ug/Kg
 Lab Code: K2300044-002 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0 u	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	1.4	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	ND Ui	2.3 uJ	2.3	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	1.9	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	ND Ui	1.0 u	0.98	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND Ui	1.0	0.35	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	1.0 DAT JP uS	1.0	0.13	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	1.7 ✓	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	ND Ui	2.1 uJ	2.1	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	53 P J	10	1.1	10	04/09/03	04/21/03	KWG0304878	
Endrin	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	ND Ui	5.0 uJ	5.0	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	12 uJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND Ui	1.1 uJ	1.1	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	ND U	1.0 uJ	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	25 uJ	1.0	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND U	1.0 uJ	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	ND Ui	1.1 uJ	1.1	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	210 uJ	210	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND U	1.0 u	0.26	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND Ui	1.3 uJ	1.3	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	5.6 P u	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	3.4 uJ	3.4	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	8.7 u	8.7	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT	8.1 P J	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND U	1.0 uJ	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	2.0 P u	1.0	0.18	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	0.55 J	1.0	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/03/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0609TSBBWBC20 **Units:** ug/Kg
Lab Code: K2300044-002 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	89	38-109	04/19/03	Acceptable
Decachlorobiphenyl	108	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/02/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0609TSBBWBC30 **Units:** ug/Kg
Lab Code: K2300044-003 **Basis:** Wet

Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	4.0 u	1.6	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobenzene	4.0 2.5 JP u	4.0	2.0	1	03/24/03	04/10/03	KWG0303911	
beta-BHC	ND Ui	6.8 u	6.8	1	03/24/03	04/10/03	KWG0303911	
gamma-BHC (Lindane)	ND Ui	4.0	3.4	1	03/24/03	04/10/03	KWG0303911	
delta-BHC	ND Ui	4.0	1.4	1	03/24/03	04/10/03	KWG0303911	
Heptachlor	ND Ui	4.0	2.5	1	03/24/03	04/10/03	KWG0303911	
Aldrin	ND U	4.0	1.2	1	03/24/03	04/10/03	KWG0303911	
Heptachlor Epoxide	ND Ui	4.0	3.1	1	03/24/03	04/10/03	KWG0303911	
gamma-Chlordane	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan I	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
alpha-Chlordane	2.3 J	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Dieldrin	4.0 2.0 JP u	4.0	0.26	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDE	58 J	4.0	0.44	1	03/24/03	04/10/03	KWG0303911	
Endrin	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan II	ND Ui	4.0 u	2.6	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDD	13 / u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Endrin Aldehyde	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan Sulfate	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDT	46 J u	4.0	0.64	1	03/24/03	04/10/03	KWG0303911	
Endrin Ketone	ND U	4.0 u	0.52	1	03/24/03	04/10/03	KWG0303911	
Methoxychlor	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Toxaphene	ND Ui	960	960	1	03/24/03	04/10/03	KWG0303911	
Oxychlordane	ND Ui	4.0	1.6	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDE	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
trans-Nonachlor	1.035 JP u	4.0 u	0.60	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDD	xt x 12 u	4.0	0.52	1	03/24/03	04/10/03	KWG0303911	
cis-Nonachlor	ND Ui	8.8 u	8.8	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDT	12 x u	4.0	0.56	1	03/24/03	04/10/03	KWG0303911	
Mirex	ND U	4.0 u	1.4	1	03/24/03	04/10/03	KWG0303911	
Hexachloroethane	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobutadiene	ND U	4.0 u	0.80	1	03/24/03	04/10/03	KWG0303911	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/02/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0609TSBBWBC30 **Units:** ug/Kg
Lab Code: K2300044-003 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	99	38-109	04/10/03	Acceptable
Decachlorobiphenyl	108	51-120	04/10/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/24/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0306TSBBWBC10 **Units:** ug/Kg
Lab Code: K2300044-004 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0 <i>u</i>	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	0.98 J ✓	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	ND Ui	1.0 <i>u</i>	0.99	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	0.54 J ✓	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	ND U	1.0 <i>u</i>	0.074	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.0 <i>u</i>	0.24	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND U	1.0 <i>u</i>	0.30	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	ND Ui	1.0 <i>u</i>	1.0	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	1.0 <i>u</i>	1.0	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui	1.0 <i>u</i>	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	0.93 J ✓	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	1.2 <i>u</i>	1.0	0.063	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	32	1.0	0.11	1	04/09/03	04/19/03	KWG0304878	
Endrin	ND Ui	1.0 <i>u</i>	1.0	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	2.3 <i>u</i>	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	6.9 <i>u</i> ✓	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND Ui	1.0 <i>u</i>	1.0	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	ND U	1.0 <i>u</i>	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	5.3 <i>u</i> ✓	1.0	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND U	1.0 <i>u</i>	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	1.1 <i>u</i>	1.0	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	160 <i>u</i>	160	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND U	1.0 <i>u</i>	0.26	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND Ui	1.0 <i>u</i>	1.0	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	1.2 <i>u</i>	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	1.6 <i>u</i>	1.6	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	3.0 <i>u</i>	3.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT	3.3 <i>u</i>	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND U	1.0 <i>u</i>	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	ND U	1.0 <i>u</i>	0.18	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	ND U	1.0 <i>u</i>	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/24/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0306TSBBWBC10 **Units:** ug/Kg
Lab Code: K2300044-004 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	65	38-109	04/19/03	Acceptable
Decachlorobiphenyl	100	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/24/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0306TSBBWBC20 **Units:** ug/Kg
Lab Code: K2300044-005 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0 uJ	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	1.6 ✓ uJ	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	ND Ui	1.9 uJ	1.9	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	1.4 ✓	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.0 uJ	0.49	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND U	1.0 uJ	0.30	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	0.88 ✓ uJ	1.0	0.13	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	25 ✓	1.0	0.13	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	27 ✓	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	ND Ui	2.1 uJ	2.1	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	70 ✓ /	10	1.1	10	04/09/03	04/21/03	KWG0304878	
Endrin	ND Ui	1.0 uJ	0.75	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	8.6 ✓ uJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	9.0 ✓ uJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND Ui	1.7 uJ	1.7	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	ND Ui	1.0 uJ ✓	0.58	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	15 ✓ uJ	1.0	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND U	1.0 uJ	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	1.6 ✓ uJ ✓	1.0	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	120 uJ	120	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND Ui	1.6 ✓	1.6	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	15 ✓	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	2.2 uJ	2.2	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	11 ✓	11	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT	8.1 ✓ . uJ	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND U	1.0 uJ	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	ND U	1.0 uJ	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/24/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0306TSBBWBC20 **Units:** ug/Kg
Lab Code: K2300044-005 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	8.1	38-109	04/19/03	Acceptable
Decachlorobiphenyl	103	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/23/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0306TSBBWBC30 **Units:** ug/Kg
Lab Code: K2300044-006 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0 uJ	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	1.1 JP uJ	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	ND Ui	2.3 uJ	2.3	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	1.5	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	0.45 JP 1.0 uJ	1.0	0.074	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND U	1.0 uJ	0.30	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	ND U	1.0 uJ	0.13	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui	2.3 JP 1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	ND Ui	4.5 JP 1.3	1.3	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	2.6 JP uJ	1.0	0.063	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	42 JP uJ	10	1.1	10	04/09/03	04/21/03	KWG0304878	
Endrin	ND Ui	1.2 uJ	1.2	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	7.4 JP uJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND Ui	3.7 uJ	3.7	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	0.64 JP 1.0 uJ	1.0	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	24 JP uJ	1.0	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	170	170	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND U	1.0	0.26	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND Ui	1.0 JP	1.0	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	3.7 JP uJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	1.9 uJ	1.9	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	5.5 uJ	5.5	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT	14 JP	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND U	1.0 uJ	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	-0.57 JP 1.0 uJ	1.0	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/23/2002
Date Received: 12/23/2002

Organochlorine Pesticides

Sample Name: LWG01FZ0306TSBBWBC30 **Units:** ug/Kg
Lab Code: K2300044-006 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	96	38-109	04/19/03	Acceptable
Decachlorobiphenyl	106	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

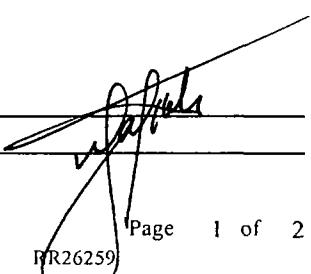
Service Request: K2300044
Date Collected: 10/07/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0106R002TSSPWBC20 **Units:** ug/Kg
Lab Code: K2300044-007 **Basis:** Wet

Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	20	7.7	1	04/02/03	04/16/03	KWG0304485	
Hexachlorobenzene	ND U	20	9.3	1	04/02/03	04/16/03	KWG0304485	
beta-BHC	2.1	20	1.9	1	04/02/03	04/16/03	KWG0304485	
gamma-BHC (Lindane)	ND U	20	2.7	1	04/02/03	04/16/03	KWG0304485	
delta-BHC	ND U	20	1.5	1	04/02/03	04/16/03	KWG0304485	
Heptachlor	ND U	20	2.5	1	04/02/03	04/16/03	KWG0304485	
Aldrin	ND U	20	5.8	1	04/02/03	04/16/03	KWG0304485	
Heptachlor Epoxide	ND Ui	20	2.7	1	04/02/03	04/16/03	KWG0304485	
gamma-Chlordane	ND Ui	20	15	1	04/02/03	04/16/03	KWG0304485	
Endosulfan I	ND U	20	2.5	1	04/02/03	04/16/03	KWG0304485	
alpha-Chlordane	ND Ui	40	19	1	04/02/03	04/16/03	KWG0304485	
Dieldrin	ND Ui	20	1.9	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDE	ND Ui	22	22	1	04/02/03	04/16/03	KWG0304485	
Endrin	ND Ui	20	20	1	04/02/03	04/16/03	KWG0304485	
Endosulfan II	ND U	20	2.9	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDD	5.9 JU	20	2.9	1	04/02/03	04/16/03	KWG0304485	
Endrin Aldehyde	ND Ui	20	20	1	04/02/03	04/16/03	KWG0304485	
Endosulfan Sulfate	ND U	20	5.2	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDT	240	20	3.1	1	04/02/03	04/16/03	KWG0304485	
Endrin Ketone	ND U	20	2.5	1	04/02/03	04/16/03	KWG0304485	
Methoxychlor	ND U	20	4.1	1	04/02/03	04/16/03	KWG0304485	
Toxaphene	ND Ui	4500	4500	1	04/02/03	04/16/03	KWG0304485	
Oxychlordane	6.95	20	5.0	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDE	ND Ui	20	20	1	04/02/03	04/16/03	KWG0304485	
trans-Nonachlor	ND Ui	20	20	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDD	7.7	20	2.5	1	04/02/03	04/16/03	KWG0304485	
cis-Nonachlor	ND U	20	3.9	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDT	ND Ui	23	23	1	04/02/03	04/16/03	KWG0304485	
Mirex	ND U	20	6.8	1	04/02/03	04/16/03	KWG0304485	
Hexachloroethane	ND Ui	27	27	1	04/02/03	04/16/03	KWG0304485	
Hexachlorobutadiene	ND Ui	20	6.5	1	04/02/03	04/16/03	KWG0304485	

Comments: 

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/07/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0106R002TSSPWBC20 **Units:** ug/Kg
Lab Code: K2300044-007 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	38-109	04/16/03	Acceptable
Decachlorobiphenyl	104	51-120	04/16/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/26/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0106R004TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-008 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	4.0 u	1.6	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobenzene	11 ✓ u	4.0	2.0	1	03/24/03	04/10/03	KWG0303911	
beta-BHC	8.8 ✓ u	4.0	0.39	1	03/24/03	04/10/03	KWG0303911	
gamma-BHC (Lindane)	4.0 2.9 ✓ u	4.0 u	0.56	1	03/24/03	04/10/03	KWG0303911	
delta-BHC	ND Ui	4.0	1.4	1	03/24/03	04/10/03	KWG0303911	
Heptachlor	ND Ui	4.0	2.6	1	03/24/03	04/10/03	KWG0303911	
Aldrin	4.0 1.9 JP u	4.0	1.2	1	03/24/03	04/10/03	KWG0303911	
Heptachlor Epoxide	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
gamma-Chlordane	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan I	>+ ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
alpha-Chlordane	7.9 ✓ u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Dieldrin	5.0 ✓ u	4.0	0.26	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDE	330 PD u	40	4.4	10	03/24/03	04/11/03	KWG0303911	
Endrin	ND Ui	4.0	2.3	1	03/24/03	04/10/03	KWG0303911	
Endosulfan II	ND Ui	4.0	2.4	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDD	150 ✓ u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Endrin Aldehyde	ND Ui ✓	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan Sulfate	2.0 ✓ u	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDT	150 ✓ u	4.0	0.64	1	03/24/03	04/10/03	KWG0303911	
Endrin Ketone	ND U ✓	4.0 u	0.52	1	03/24/03	04/10/03	KWG0303911	
Methoxychlor	ND Ui	4.0 u	2.5	1	03/24/03	04/10/03	KWG0303911	
Toxaphene	ND Ui	200	200	1	03/24/03	04/10/03	KWG0303911	
Oxychlordane	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDE	10 ✓ u	4.0	1.1	1	03/24/03	04/10/03	KWG0303911	*
trans-Nonachlor	5.3 ✓ u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDD	✓ 48 32 ✗	4.0	0.52	1	03/24/03	04/10/03	KWG0303911	
cis-Nonachlor	ND Ui	32 u	32	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDT	✓ 34 J	4.0	0.56	1	03/24/03	04/10/03	KWG0303911	
Mirex	ND U	4.0 u	1.4	1	03/24/03	04/10/03	KWG0303911	
Hexachloroethane	ND U	4.0 u	0.72	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobutadiene	✓ 2.4 J	4.0	0.80	1	03/24/03	04/10/03	KWG0303911	

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/26/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0106R004TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-008 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	107	38-109	04/10/03	Acceptable
Decachlorobiphenyl	102	51-120	04/10/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 08/16/2002
 Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0107R003TSSPWBC00 Units: ug/Kg
 Lab Code: K2300044-009 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U ✓	1.0 uJ	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	4.2	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	1.5 ✓ J	1.0	0.096	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	ND Ui	1.1 uJ	1.1	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	0.68 JP 1.0 uJ	1.0 uJ	0.074	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.0	0.52	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	0.59 0.88 J ✓	1.0	0.13	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	2.9 uJ	2.9	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui ✓	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	2.5 X uJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	ND Ui	3.5 uJ	3.5	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	180 D J	10	1.1	10	04/09/03	04/21/03	KWG0304878	
Endrin	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	ND Ui	1.7 uJ	1.7	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	90 D J	10	1.5	10	04/09/03	04/21/03	KWG0304878	
Endrin Aldehyde	ND Ui	1.7 uJ	1.7	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	ND U	1.0 uJ	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	280 D J	10	1.6	10	04/09/03	04/21/03	KWG0304878	
Endrin Ketone	ND U	1.0 uJ	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	3.0 X uJ	1.0	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	96 uJ	96	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	7.1 X uJ	1.0	0.26	1	04/09/03	04/19/03	KWG0304878	*
trans-Nonachlor	2.6 D uJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	25 uJ	25	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	51 ✓	51	10	04/09/03	04/21/03	KWG0304878	
2,4'-DDT	78 D J	10	1.4	10	04/09/03	04/21/03	KWG0304878	
Mirex	ND U	1.0 uJ	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	ND U	1.0 uJ	0.18	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	ND Ui	1.0 uJ	0.32	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/16/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0107R003TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-009 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	100	38-109	04/19/03	Acceptable
Decachlorobiphenyl	102	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 11/07/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0107R006TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-010 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND Ui	1.8 uJ	1.8	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	7.8 ✓	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	ND Ui	1.0 ✓	0.41	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND U	1.0 ✓	0.13	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	1.2 18 uJ	1.0	0.13	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	1.2 uJ	1.2	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui	4.4 ✓	4.4	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	16 ✓	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	ND Ui	10 uJ	10	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	800 Ø ✓	50	5.5	50	04/09/03	04/22/03	KWG0304878	
Endrin	ND Ui	2.5 uJ	2.5	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	350 Ø ✓	50	7.5	50	04/09/03	04/22/03	KWG0304878	
Endrin Aldehyde	ND Ui	2.9 uJ	2.9	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	ND Ui	1.7 uJ	1.7	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	2000 Ø J	500	80	500	04/09/03	04/24/03	KWG0304878	
Endrin Ketone	ND Ui	1.1 uJ	1.1	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	5.6 Ø uJ	1.0	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	170 uJ	170	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND Ui	1.0 uJ	1.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	50 21 Ø uJ	50	13	50	04/09/03	04/22/03	KWG0304878	
trans-Nonachlor	ND Ui	5.0 uJ	5.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	68 96 Ø J	50	6.5	50	04/09/03	04/22/03	KWG0304878	
cis-Nonachlor	ND Ui	240 uJ	240	50	04/09/03	04/22/03	KWG0304878	
2,4'-DDT	400 Ø ✓	50	7.0	50	04/09/03	04/22/03	KWG0304878	
Mirex	ND Ui	3.7 uJ	3.7	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	2.5 ✓	1.0	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 11/07/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0107R006TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-010 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	99	38-109	04/19/03	Acceptable
Decachlorobiphenyl	103	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/16/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0108R001TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-011 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	4.0	1.6	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobenzene	ND U	4.0	2.0	1	03/24/03	04/10/03	KWG0303911	
beta-BHC	ND U	4.0	0.39	1	03/24/03	04/10/03	KWG0303911	
gamma-BHC (Lindane)	ND U <i>uJ</i>	4.0 <i>w</i>	3.1	1	03/24/03	04/10/03	KWG0303911	
delta-BHC	2.0 J	4.0	0.30	1	03/24/03	04/10/03	KWG0303911	
Heptachlor	ND U <i>w</i>	4.0 <i>w</i>	1.3	1	03/24/03	04/10/03	KWG0303911	
Aldrin	ND U	4.0	1.2	1	03/24/03	04/10/03	KWG0303911	
Heptachlor Epoxide	ND U <i>uJ</i>	4.0 <i>w</i>	4.0	1	03/24/03	04/10/03	KWG0303911	
gamma-Chlordane	ND U <i>↓</i>	4.0 <i>↓</i>	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan I	<i>3.5 JP uJ</i>	4.0 <i>w</i>	0.52	1	03/24/03	04/10/03	KWG0303911	
alpha-Chlordane	<i>2.9 b</i>	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Dieldrin	<i>5.5 P uJ</i>	4.0	0.26	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDE	170 <i>PD w</i>	40	4.4	10	03/24/03	04/11/03	KWG0303911	
Endrin	ND U <i>w</i>	4.0 <i>w</i>	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan II	ND U <i>w</i>	4.0 <i>↓</i>	4.0	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDD	140 <i>J</i>	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Endrin Aldehyde	ND U <i>w</i>	5.3 <i>w</i>	5.3	1	03/24/03	04/10/03	KWG0303911	
Endosulfan Sulfate	9.9 <i>w</i>	4.0	1.1	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDT	14000 <i>Y J</i>	400	64	100	03/24/03	04/11/03	KWG0303911	
Endrin Ketone	ND U <i>w</i>	4.0 <i>w</i>	0.52	1	03/24/03	04/10/03	KWG0303911	
Methoxychlor	ND U <i>w</i>	4.0 <i>w</i>	3.3	1	03/24/03	04/10/03	KWG0303911	
Toxaphene	ND U <i>w</i>	400 <i>↓</i>	400	1	03/24/03	04/10/03	KWG0303911	
Oxychlordane	ND U <i>w</i>	4.0	1.1	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDE	ND U <i>w</i>	4.0 <i>w</i>	4.0	1	03/24/03	04/10/03	KWG0303911	
trans-Nonachlor	ND U <i>w</i>	4.0 <i>↓</i>	4.0	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDD	18 <i>27 J</i>	4.0	0.52	1	03/24/03	04/10/03	KWG0303911	
cis-Nonachlor	ND U <i>w</i>	67 <i>w</i>	67	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDT	2700 <i>P ✓</i>	400	56	100	03/24/03	04/11/03	KWG0303911	
Mirex	ND U <i>w</i>	30 <i>w</i>	30	1	03/24/03	04/10/03	KWG0303911	
Hexachloroethane	ND U <i>w</i>	4.0 <i>↓</i>	4.0	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobutadiene	ND U <i>w</i>	4.0 <i>↓</i>	4.0	1	03/24/03	04/10/03	KWG0303911	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/16/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0108R001TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-011 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	107	38-109	04/10/03	Acceptable
Decachlorobiphenyl	97	51-120	04/10/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 09/25/2002
 Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0108R002TSSPWBC00 Units: ug/Kg
 Lab Code: K2300044-012 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0 ✓	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene ✓	3.1 ✓	1.0 ✓	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC ✓	2.0 ✓	1.0 ✓	0.096	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	1.1 ✓ W	1.0 ✓	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	0.76 ✓	1.0 ✓	0.074	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.0 ✓	0.87	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	1.6 ✓	1.6	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I ✓	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane ✓	3.6 ✓ W	1.0 ✓	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin ✓	3.4 ✓ W	1.0 ✓	0.063	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	ND Ui	18 ✓	18	1	04/09/03	04/19/03	KWG0304878	
Endrin	ND Ui	1.3 ✓	1.3	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II ✓	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD ✓	4.6 ✓ W	1.0 ✓	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND Ui	1.5 ✓	1.5	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	0.57 ✓	1.0 ✓	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	21 ✓ W	1.0 ✓	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND U	1.0 ✓	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	2.3 ✓ W	1.0 ✓	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	110 ✓	110	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND Ui	1.0 ✓	1.0	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	5.8 ✓ W	1.0 ✓	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	1.2 ✓	1.2	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	3.3 ✓	3.3	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT ✓	10 ✓ W	1.0 ✓	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND U	1.0 ✓	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	2.1 ✓ W	1.0 ✓	0.18	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene ✓	0.31 J	1.0 ✓	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/25/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0108R002TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-012 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	109	38-109	04/19/03	Acceptable
Decachlorobiphenyl	99	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/08/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0108R003TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-013 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	4.0 u	1.6	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobenzene	ND U	4.0 u	2.0	1	03/24/03	04/10/03	KWG0303911	
beta-BHC	ND Ui	4.0 u	3.8	1	03/24/03	04/10/03	KWG0303911	
gamma-BHC (Lindane)	1.4 J ✓	4.0	0.56	1	03/24/03	04/10/03	KWG0303911	
delta-BHC	1.6 J ✓	4.0	0.30	1	03/24/03	04/10/03	KWG0303911	
Heptachlor	ND Ui	4.0 u	1.7	1	03/24/03	04/10/03	KWG0303911	
Aldrin	ND U	4.0 u	1.2	1	03/24/03	04/10/03	KWG0303911	
Heptachlor Epoxide	ND Ui	4.0 u	2.3	1	03/24/03	04/10/03	KWG0303911	
gamma-Chlordane	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan I	ND Ui	8 u	4.0	1.3	03/24/03	04/10/03	KWG0303911	
alpha-Chlordane	3.0 JP	4.0 u	0.60	1	03/24/03	04/10/03	KWG0303911	
Dieldrin	3.7 JP	4.0 u	0.26	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDE	ND Ui	17	17	1	03/24/03	04/10/03	KWG0303911	
Endrin	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan II	ND Ui	4.0	2.1	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDD	4.3 u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Endrin Aldehyde	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan Sulfate	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDT	47 u	4.0	0.64	1	03/24/03	04/10/03	KWG0303911	
Endrin Ketone	ND U	4.0 u	0.52	1	03/24/03	04/10/03	KWG0303911	
Methoxychlor	7.7 JP u	4.0	0.84	1	03/24/03	04/10/03	KWG0303911	
Toxaphene	ND Ui	290 u	290	1	03/24/03	04/10/03	KWG0303911	
Oxychlordane	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDE	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911	
trans-Nonachlor	ND Ui	4.0 u	3.2	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDD	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
cis-Nonachlor	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDT	ND Ui	14	14	1	03/24/03	04/10/03	KWG0303911	
Mirex	ND U	4.0 u	1.4	1	03/24/03	04/10/03	KWG0303911	
Hexachloroethane	ND U	4.0	0.72	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobutadiene	ND U	4.0	0.80	1	03/24/03	04/10/03	KWG0303911	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/08/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0108R003TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-013 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	108	38-109	04/10/03	Acceptable
Decachlorobiphenyl	105	51-120	04/10/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 08/13/2002
 Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0109R001TSSPWBC00 Units: ug/Kg
 Lab Code: K2300044-014 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	4.0 u	1.6	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobenzene	ND U	4.0 u	2.0	1	03/24/03	04/10/03	KWG0303911	
beta-BHC	6.7 ✓ u	4.0	0.39	1	03/24/03	04/10/03	KWG0303911	
gamma-BHC (Lindane)	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
delta-BHC	ND Ui	4.0	1.4	1	03/24/03	04/10/03	KWG0303911	
Heptachlor	ND Ui	4.0	0.97	1	03/24/03	04/10/03	KWG0303911	
Aldrin	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
Heptachlor Epoxide	ND Ui	4.0	2.4	1	03/24/03	04/10/03	KWG0303911	
gamma-Chlordane	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan I	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
alpha-Chlordane	>+ 4.4 ✓	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Dieldrin	3.0 J	4.0	0.26	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDE	ND Ui	21 u	21	1	03/24/03	04/10/03	KWG0303911	
Endrin	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan II	ND Ui	4.0	2.1	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDD	3.7 J u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
Endrin Aldehyde	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Endosulfan Sulfate	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDT	51 u	4.0	0.64	1	03/24/03	04/10/03	KWG0303911	
Endrin Ketone	ND U	4.0 u	0.52	1	03/24/03	04/10/03	KWG0303911	
Methoxychlor	ND U	4.0 u	0.84	1	03/24/03	04/10/03	KWG0303911	
Toxaphene	ND Ui	340 u	340	1	03/24/03	04/10/03	KWG0303911	
Oxychlordane	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDE	ND U	4.0	1.1	1	03/24/03	04/10/03	KWG0303911	
trans-Nonachlor	5.0 ✓ u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDD	5.6 ✓ u	4.0	0.52	1	03/24/03	04/10/03	KWG0303911	
cis-Nonachlor	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
2,4'-DDT	ND Ui	12	12	1	03/24/03	04/10/03	KWG0303911	
Mirex	ND U	4.0 u	1.4	1	03/24/03	04/10/03	KWG0303911	
Hexachloroethane	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911	
Hexachlorobutadiene	ND U	4.0 u	0.80	1	03/24/03	04/10/03	KWG0303911	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/13/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0109R001TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-014 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	38-109	04/10/03	Acceptable
Decachlorobiphenyl	103	51-120	04/10/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 07/23/2002
 Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0103R001TSSPWBC00 Units: ug/Kg
 Lab Code: K2300044-015 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0 u	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	5.8 P W	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	4.3 3.8 S	1.0	0.096	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	2.6	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	0.77 J	1.0	0.074	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.3 u	1.3	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND Ui	1.8	1.8	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	3.2 3.2 P W oh	1.0	0.13	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	1.5 u	1.5	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui	1.1	1.1	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	4.4 P W	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	4.0 P W	1.0	0.063	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	ND Ui	19 u	19	1	04/09/03	04/19/03	KWG0304878	
Endrin	ND Ui	1.1	1.1	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	5.2 W	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND Ui	1.3 W	1.3	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	1.3 W	1.0	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	16 W	1.0	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND U	1.0 W	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	1.2 W	1.0	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	120 W	120	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND Ui	1.4	1.4	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	3.7 5.5 J	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	1.1 W	1.1	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	3.6	3.6	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT	8.6 P J	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND U	1.0 W	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	2.5 P W	1.0	0.18	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	1.6	1.0	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 07/23/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0103R001TSSPWBC00
Lab Code: K2300044-015

Units: ug/Kg
Basis: Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	109	38-109	04/19/03	Acceptable
Decachlorobiphenyl	102	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 07/25/2002
 Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0103R002TSSPWBC10 Units: ug/Kg
 Lab Code: K2300044-016 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0 <i>W</i>	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	✓ 3.6 <i>W</i>	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	✓ 3.6 <i>W</i>	1.0	0.096	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	✓ 1.7 <i>W</i>	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	✓ 1.0 <i>P W</i>	1.0	0.074	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND <i>Ui</i>	1.0 <i>W</i>	0.78	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND <i>Ui</i>	1.6 <i>W</i>	1.6	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	ND <i>Ui</i>	1.1 <i>W</i>	1.1	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	4.4 <i>P W</i>	1.0	0.13	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND <i>Ui</i>	1.0 <i>W</i>	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane	✓ 5.0 <i>P W</i>	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	✓ 2.8 <i>P W</i>	1.0	0.063	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	ND <i>Ui</i>	21 <i>W</i>	21	1	04/09/03	04/19/03	KWG0304878	
Endrin	ND <i>Ui</i>	1.4	1.4	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	ND <i>Ui</i>	1.1	1.1	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	✓ 6.7 <i>W</i>	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND <i>Ui</i>	1.3 <i>W</i>	1.3	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	✓ 0.84 <i>JP</i>	1.0 <i>W</i>	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	✓ 19 <i>W</i>	1.0	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND <i>W</i>	1.0 <i>W</i>	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	✓ 1.8 <i>P W</i>	1.0	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND <i>Ui</i>	110 <i>W</i>	110	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND <i>Ui</i>	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND <i>Ui</i>	1.2	1.2	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	✓ 5.0 <i>P W</i>	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND <i>Ui</i>	1.4 <i>W</i>	1.4	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND <i>Ui</i>	4.9 <i>W</i>	4.9	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT	✓ 8.4 <i>P W</i>	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND <i>U</i>	1.0 <i>W</i>	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	ND <i>U</i>	1.0 <i>W</i>	0.18	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	✓ 0.81 <i>JP</i>	1.0 <i>W</i>	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 07/25/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0103R002TSSPWBC10 **Units:** ug/Kg
Lab Code: K2300044-016 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	91	38-109	04/19/03	Acceptable
Decachlorobiphenyl	111	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 07/31/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0105R001TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-017 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	1.0	0.40	1	04/09/03	04/19/03	KWG0304878	
Hexachlorobenzene	3.6 P UJ	1.0	0.48	1	04/09/03	04/19/03	KWG0304878	
beta-BHC	1.3 2.7 P UJ	1.0	0.096	1	04/09/03	04/19/03	KWG0304878	
gamma-BHC (Lindane)	1.4	1.0 UJ	0.14	1	04/09/03	04/19/03	KWG0304878	
delta-BHC	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
Heptachlor	ND Ui	1.0	0.55	1	04/09/03	04/19/03	KWG0304878	
Aldrin	ND U	1.0	0.30	1	04/09/03	04/19/03	KWG0304878	
Heptachlor Epoxide	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
gamma-Chlordane	ND Ui	1.8	1.8	1	04/09/03	04/19/03	KWG0304878	
Endosulfan I	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
alpha-Chlordane >+	2.8 P UJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Dieldrin	1.7 0.4 P UJ	1.0	0.063	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDE	ND Ui	15 UJ	15	1	04/09/03	04/19/03	KWG0304878	
Endrin	ND Ui	1.0	0.89	1	04/09/03	04/19/03	KWG0304878	
Endosulfan II	ND Ui	1.3	1.3	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDD	4.7 UJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
Endrin Aldehyde	ND Ui	1.5 UJ	1.5	1	04/09/03	04/19/03	KWG0304878	
Endosulfan Sulfate	1.1 P UJ	1.0	0.27	1	04/09/03	04/19/03	KWG0304878	
4,4'-DDT	19 UJ	1.0	0.16	1	04/09/03	04/19/03	KWG0304878	
Endrin Ketone	ND U	1.0 UJ	0.13	1	04/09/03	04/19/03	KWG0304878	
Methoxychlor	1.3 UJ	1.0	0.21	1	04/09/03	04/19/03	KWG0304878	
Toxaphene	ND Ui	87 UJ	87	1	04/09/03	04/19/03	KWG0304878	
Oxychlordane	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDE	ND Ui	1.0	1.0	1	04/09/03	04/19/03	KWG0304878	
trans-Nonachlor	5.5 P UJ	1.0	0.15	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDD	ND Ui	1.0 UJ	1.0	1	04/09/03	04/19/03	KWG0304878	
cis-Nonachlor	ND Ui	3.6	3.6	1	04/09/03	04/19/03	KWG0304878	
2,4'-DDT	10	1.0	0.14	1	04/09/03	04/19/03	KWG0304878	
Mirex	ND U	1.0 UJ	0.35	1	04/09/03	04/19/03	KWG0304878	
Hexachloroethane	ND Ui	1.0 UJ	1.0	1	04/09/03	04/19/03	KWG0304878	*
Hexachlorobutadiene	0.70 J	1.0	0.20	1	04/09/03	04/19/03	KWG0304878	*

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 07/31/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name:	LWG0105R001TSSPWBC00			Units: ug/Kg
Lab Code:	K2300044-017			Basis: Wet
Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	95	38-109	04/19/03	Acceptable
Decachlorobiphenyl	110	51-120	04/19/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 08/09/2002
 Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0106R002TSSPWBC10 Units: ug/Kg
 Lab Code: K2300044-019 Basis: Wet

Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note	
alpha-BHC	ND U	4.0 u	1.6	1	03/24/03	04/10/03	KWG0303911		
Hexachlorobenzene	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911		
beta-BHC	7.0 26 J	4.0	0.39	1	03/24/03	04/10/03	KWG0303911		
gamma-BHC (Lindane)	4.4 X u	4.0	0.56	1	03/24/03	04/10/03	KWG0303911		
delta-BHC	ND Ui	4.0 u	2.3	1	03/24/03	04/10/03	KWG0303911		
Heptachlor	ND Ui	4.0	2.7	1	03/24/03	04/10/03	KWG0303911		
Aldrin	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911		
Heptachlor Epoxide	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911		
gamma-Chlordane	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911		
Endosulfan I	ND Ui	4.0	1.3	1	03/24/03	04/10/03	KWG0303911		
alpha-Chlordane	>t	2.0 X	4.0 u	0.60	1	03/24/03	04/10/03	KWG0303911	
Dieldrin	3.4	2.8 J	4.0	0.26	1	03/24/03	04/10/03	KWG0303911	
4,4'-DDE	ND Ui	19 u	19	1	03/24/03	04/10/03	KWG0303911		
Endrin	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911		
Endosulfan II	ND Ui	4.0	1.4	1	03/24/03	04/10/03	KWG0303911		
4,4'-DDD	5.3 u	4.0	0.60	1	03/24/03	04/10/03	KWG0303911		
Endrin Aldehyde	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911		
Endosulfan Sulfate	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911		
4,4'-DDT	61 u	4.0	0.64	1	03/24/03	04/10/03	KWG0303911		
Endrin Ketone	ND U	4.0 u	0.52	1	03/24/03	04/10/03	KWG0303911		
Methoxychlor	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911		
Toxaphene	ND Ui	290	290	1	03/24/03	04/10/03	KWG0303911		
Oxychlordane	ND U	4.0 u	1.1	1	03/24/03	04/10/03	KWG0303911		
2,4'-DDE	ND Ui	4.0 u	4.0	1	03/24/03	04/10/03	KWG0303911		
trans-Nonachlor	3.0 X	4.0 u	0.60	1	03/24/03	04/10/03	KWG0303911		
2,4'-DDD	2.4 X	4.0 u	0.52	1	03/24/03	04/10/03	KWG0303911		
cis-Nonachlor	ND Ui	4.0	4.0	1	03/24/03	04/10/03	KWG0303911		
2,4'-DDT	ND Ui	9.0	9.0	1	03/24/03	04/10/03	KWG0303911		
Mirex	ND U	4.0 u	1.4	1	03/24/03	04/10/03	KWG0303911		
Hexachloroethane	ND U	4.0 u	0.72	1	03/24/03	04/10/03	KWG0303911		
Hexachlorobutadiene	2.8 X	4.0 u	0.80	1	03/24/03	04/10/03	KWG0303911		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/09/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0106R002TSSPWBC10 **Units:** ug/Kg
Lab Code: K2300044-019 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	100	38-109	04/10/03	Acceptable
Decachlorobiphenyl	98	51-120	04/10/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/15/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0109R002RSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-018 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8081A

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND U	9.6 u	3.9	1	04/02/03	04/16/03	KWG0304485	
Hexachlorobenzene	ND U	9.6 ↓	4.6	1	04/02/03	04/16/03	KWG0304485	
beta-BHC	ND Ui	9.6 u)	5.9	1	04/02/03	04/16/03	KWG0304485	
gamma-BHC (Lindane)	ND U	9.6 u	1.4	1	04/02/03	04/16/03	KWG0304485	
delta-BHC	ND Ui	9.6 u)	1.6	1	04/02/03	04/16/03	KWG0304485	
Heptachlor	ND U	9.6 u	1.3	1	04/02/03	04/16/03	KWG0304485	
Aldrin	ND U	9.6 u	2.9	1	04/02/03	04/16/03	KWG0304485	
Heptachlor Epoxide	ND Ui	9.6 u)	6.2	1	04/02/03	04/16/03	KWG0304485	
gamma-Chlordane	ND U	9.6 u)	1.3	1	04/02/03	04/16/03	KWG0304485	
Endosulfan I	2.1 PP	9.6 u)	1.3	1	04/02/03	04/16/03	KWG0304485	
alpha-Chlordane	ND Ui	9.6	9.6	1	04/02/03	04/16/03	KWG0304485	
Dieldrin	ND Ui	9.6	9.6	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDE	ND Ui	11	11	1	04/02/03	04/16/03	KWG0304485	
Endrin	ND Ui	9.6	9.6	1	04/02/03	04/16/03	KWG0304485	
Endosulfan II	ND Ui	9.6 ↓	9.6	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDD	3.4	9.6 u)	1.5	1	04/02/03	04/16/03	KWG0304485	
Endrin Aldehyde	ND Ui	9.6 u)	9.6	1	04/02/03	04/16/03	KWG0304485	
Endosulfan Sulfate	ND U	9.6 u)	2.6	1	04/02/03	04/16/03	KWG0304485	
4,4'-DDT	81 u)	9.6	1.6	1	04/02/03	04/16/03	KWG0304485	
Endrin Ketone	ND U	9.6 u)	1.3	1	04/02/03	04/16/03	KWG0304485	
Methoxychlor	ND U	9.6 u)	2.1	1	04/02/03	04/16/03	KWG0304485	
Toxaphene	ND Ui	2100 u)	2100	1	04/02/03	04/16/03	KWG0304485	
Oxychlordane	ND U	9.6	2.5	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDE	ND Ui	9.6 u)	9.6	1	04/02/03	04/16/03	KWG0304485	
trans-Nonachlor	ND Ui	9.6 ↓	9.6	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDD	ND Ui	9.6 ↓	9.6	1	04/02/03	04/16/03	KWG0304485	
cis-Nonachlor	ND U	9.6 u)	2.0	1	04/02/03	04/16/03	KWG0304485	
2,4'-DDT	81 A u)	9.6	1.4	1	04/02/03	04/16/03	KWG0304485	
Mirex	ND U	9.6 u)	3.4	1	04/02/03	04/16/03	KWG0304485	
Hexachloroethane	ND U	9.6 u)	1.8	1	04/02/03	04/16/03	KWG0304485	
Hexachlorobutadiene	ND U	9.6 u)	2.0	1	04/02/03	04/16/03	KWG0304485	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/15/2002
Date Received: 12/03/2002

Organochlorine Pesticides

Sample Name: LWG0109R002RSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-018 **Basis:** Wet

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	88	38-109	04/16/03	Acceptable
Decachlorobiphenyl	110	51-120	04/16/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/07/2002
Date Received: 12/23/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG01FZ0609TSBBWBC10 **Units:** ug/Kg
Lab Code: K2300044-001 **Basis:** Wet

Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	40	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1221	ND U	79	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1232	ND U	40	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1242	ND U	40	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1248	ND U	40	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1254	ND U	40	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1260/1254	1700 D J	40	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1262	ND U	40	38	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1268	ND U	40	38	2	04/02/03	05/07/03	KWG0304486	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	114	40-151	05/07/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/03/2002
Date Received: 12/23/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG01FZ0609TSBBWBC20 **Units:** ug/Kg
Lab Code: K2300044-002 **Basis:** Wet

Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q.	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	13 <i>u</i>	13	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1221	ND U	31	31	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1232	ND U	17	17	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1242	ND U	18 <i>v</i>	18	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1248	ND U	49	49	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1254	ND U	110	110	10	04/09/03	05/13/03	KWG0304879	
<i>Aroclor 1260 1/250/1248</i>	<i>130 <i>v</i></i>	<i>10</i>	<i>9.5</i>	<i>10</i>	<i>04/09/03</i>	<i>05/13/03</i>	<i>KWG0304879</i>	
Aroclor 1262	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1268	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	80	40-151	05/13/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/02/2002
Date Received: 12/23/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG01FZ0609TSBBWBC30 **Units:** ug/Kg
Lab Code: K2300044-003 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	4.0	3.8	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1221	ND U	8.0	3.8	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1232	ND U	4.0	3.8	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1242	ND U	4.0	3.8	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1248 } <i>(150-)</i>	44	4.0	3.8	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1254 }	ND U	160	160	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1260	250 F	4.0	3.8	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1262	ND U	4.0	3.8	1	03/24/03	05/01/03	KWG0303912	
Aroclor 1268	ND U	4.0	3.8	1	03/24/03	05/01/03	KWG0303912	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dccachlorobiphenyl	99	40-151	05/01/03	Acceptable

Comments: *Handwritten signature*

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/24/2002
Date Received: 12/23/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG01FZ0306TSBBWBC10 **Units:** ug/Kg
Lab Code: K2300044-004 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1221	ND U	4.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1232	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1242	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1248	23 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1254	ND U	49	49	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1260	44 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1262	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1268	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	100	40-151	05/08/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/24/2002
Date Received: 12/23/2002

Polychlorinated Biphenyls (PCBs)

Sample Name:	LWG01FZ0306TSBBWBC20	Units: ug/Kg
Lab Code:	K2300044-005	Basis: Wet
Extraction Method:	EPA 3540C	Level: Low
Analysis Method:	8082	

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	5.3	5.3	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1221	ND U	4.0	2.2	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1232	ND U	8.8	8.8	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1242	ND U	7.5	7.5	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1248	ND U	43	43	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1254	ND U	120	120	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1260 <i>1254</i>	<i>90 D 110</i>	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1262	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1268	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	102	40-151	05/08/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/23/2002
Date Received: 12/23/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG01FZ0306TSBBWBC30 **Units:** ug/Kg
Lab Code: K2300044-006 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1221	ND U	20	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1232	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1242	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1248	36 D	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1254	ND UI	75	75	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1260	89 D	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1262	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1268	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	125	40-151	05/13/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/07/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0106R002TSSPWBC20 **Units:** ug/Kg
Lab Code: K2300044-007 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND Ui	39 <i>UJ</i>	39	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1221	ND Ui	78	78	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1232	ND Ui	79	79	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1242	ND Ui	55	55	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1248	ND Ui	160	160	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1254	ND Ui	400 <i>V</i>	400	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1260	2300 <i>P</i> ✓	39	37	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1262	ND U	39	37	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1268	ND U	39	37	2	04/02/03	05/07/03	KWG0304486	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	121	40-151	05/07/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/26/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name:	LWG0106R004TSSPWBC00	Units:	ug/Kg
Lab Code:	K2300044-008	Basis:	Wet
Extraction Method:	EPA 3540C	Level:	Low
Analysis Method:	8082		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND Ui	65	65	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1221	ND Ui	120	120	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1232	ND Ui	94	94	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1242	ND Ui	92	92	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1248	ND Ui	190	190	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1254	ND Ui	370	370	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1260 320	400 PD	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1262	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1268	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	148	40-151	05/07/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/16/2002
Date Received: 12/03/2002

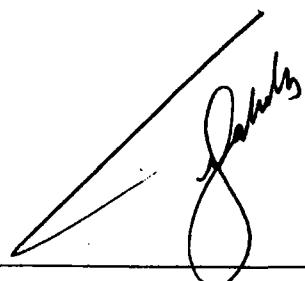
Polychlorinated Biphenyls (PCBs)

Sample Name:	LWG0107R003TSSPWBC00	Units: ug/Kg
Lab Code:	K2300044-009	Basis: Wet
Extraction Method:	EPA 3540C	Level: Low
Analysis Method:	8082	

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1221	ND U	20	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1232	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1242	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1248	46 D	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1254	ND U	68	68	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1260	180 PD	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1262	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1268	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	40-151	05/13/03	Acceptable

Comments: _____



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 11/07/2002
 Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0107R006TSSPWBC00 Units: ug/Kg
 Lab Code: K2300044-010 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1221	ND U	20	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1232	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1242	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1248	290 D	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1254	ND U	230	230	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1260	140 PD	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1262	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	
Aroclor 1268	ND U	10	9.5	10	04/09/03	05/13/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	81	40-151	05/13/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/16/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0108R001TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-011 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	2.0	1.9	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1221	ND U	4.0	1.9	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1232	ND U	2.0	1.9	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1242	ND U	2.0	1.9	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1248	27 D	2.0	1.9	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1254	NDUi	53	53	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1260	160 D	2.0	1.9	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1262	ND U	2.0	1.9	2	05/09/03	05/16/03	KWG0306518	
Aroclor 1268	ND U	2.0	1.9	2	05/09/03	05/16/03	KWG0306518	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	115	40-151	05/16/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 09/25/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0108R002TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-012 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1221	ND U	4.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1232	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1242	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1248	67 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1254	ND U	81	81	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1260	20 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1262	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1268	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	111	40-151	05/08/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 10/08/2002
 Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0108R003TSSPWBC00 Units: ug/Kg
 Lab Code: K2300044-013 Basis: Wet

Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1221	ND Ui	80	67	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1232	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1242	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1248	NDUi	130 <i>yes</i>	130	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1254	NDUi	210 <i>no</i>	210	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1260	480 <i>no</i>	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1262	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1268	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	139	40-151	05/07/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/13/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0109R001TSSPWBC00 **Units:** ug/Kg
Lab Code: K2300044-014 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND Ui	85 u	85	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1221	ND Ui	180	180	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1232	ND Ui	44	44	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1242	ND Ui	47	47	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1248	ND Ui	190	190	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1254	ND Ui	170	170	10	03/24/03	05/07/03	KWG0303912	
<i>240</i>								
Aroclor 1260	510 D	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1262	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1268	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	134	40-151	05/07/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 07/23/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name:	LWG0103R001TSSPWBC00	Units: ug/Kg
Lab Code:	K2300044-015	Basis: Wet
Extraction Method:	EPA 3540C	Level: Low
Analysis Method:	8082	

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1221	ND U	4.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1232	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1242	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1248	81 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1254	NDUi	66	66	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1260	63 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1262	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1268	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	136	40-151	05/08/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 07/25/2002
 Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0103R002TSSPWBC10 Units: ug/Kg
 Lab Code: K2300044-016 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1221	ND U	4.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1232	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1242	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1248	54 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1254	ND U	67	67	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1260	67 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1262	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1268	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	133	40-151	05/08/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 07/31/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name:	LWG0105R001TSSPWBC00	Units:	ug/Kg
Lab Code:	K2300044-017	Basis:	Wet
Extraction Method:	EPA 3540C	Level:	Low
Analysis Method:	8082		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1221	ND U	4.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1232	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1242	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1248	130 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1254	ND U	98	98	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1260	66 D	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1262	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	
Aroclor 1268	ND U	2.0	1.9	2	04/09/03	05/08/03	KWG0304879	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	133	40-151	05/08/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2300044
 Date Collected: 08/15/2002
 Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0109R002RSSPWBC00 Units: ug/Kg
 Lab Code: K2300044-018 Basis: Wet
 Extraction Method: EPA 3540C Level: Low
 Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	35	35	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1221	ND U	59	59	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1232	ND U	86	86	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1242	ND U	50	50	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1248	ND U	170	170	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1254	ND U	390	390	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1260	670 D	20	19	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1262	ND U	20	19	2	04/02/03	05/07/03	KWG0304486	
Aroclor 1268	ND U	20	19	2	04/02/03	05/07/03	KWG0304486	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	111	40-151	05/07/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 08/09/2002
Date Received: 12/03/2002

Polychlorinated Biphenyls (PCBs)

Sample Name: LWG0106R002TSSPWBC10 **Units:** ug/Kg
Lab Code: K2300044-019 **Basis:** Wet
Extraction Method: EPA 3540C **Level:** Low
Analysis Method: 8082

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1221	ND Ui	130 u)	130	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1232	ND Ui	44	44	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1242	ND Ui	50	50	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1248	ND Ui	87	87	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1254	ND Ui	190	190	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1260	500 D	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1262	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	
Aroclor 1268	ND U	40	38	10	03/24/03	05/07/03	KWG0303912	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	144	40-151	05/07/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-34C
 Sample Matrix: Tissue

Service Request: K2303135
 Date Collected: 11/12/2002
 Date Received: 04/28/2003

Butyltins

Sample Name: LWG0107R006TSCAWBC00 Units: ug/Kg
 Lab Code: K2303135-003 Basis: Wet
 Extraction Method: Stallard Level: Low
 Analysis Method: GC-FPD

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetra-n-butyltin	ND	U	0.97	0.19	1	05/14/03	06/15/03	KWG0306866	
Tri-n-butyltin	4.4		0.97	0.22	1	05/14/03	06/15/03	KWG0306866	
Di-n-butyltin	5.6		0.97	0.17	1	05/14/03	06/15/03	KWG0306866	
n-Butyltin	2.9		0.97	0.19	1	05/14/03	06/15/03	KWG0306866	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	95	26-169	06/15/03	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Striplin Environmental Associates, Inc.
 Project: LWG01/B01-01-27
 Sample Matrix: Tissue

Service Request: K2303135
 Date Collected: 10/24/2002
 Date Received: 04/28/2003

Butyltins

Sample Name: LWG0106R002TSCAWBC00 Units: ug/Kg
 Lab Code: K2303135-001 Basis: Wet

Extraction Method: Stallard Level: Low
 Analysis Method: GC-FPD

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetra-n-butyltin	ND U	0.97	0.19	1	05/14/03	06/15/03	KWG0306866	
Tri-n-butyltin	7.6	0.97	0.22	1	05/14/03	06/15/03	KWG0306866	
Di-n-butyltin	7.9	0.97	0.17	1	05/14/03	06/15/03	KWG0306866	
n-Butyltin	3.7	0.97	0.19	1	05/14/03	06/15/03	KWG0306866	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	101	26-169	06/15/03	Acceptable

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 10/07/02
 Project Name: LWG01 Date Received: 12/23/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG01FZ0609TSBBWBC10 Lab Code: K2300044-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6020	4.7	0.9	50	1/21/03	1/24/03	31.7	J	
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	B	U
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.05	B	U
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.009	B	
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.45		
Copper	6020	0.024	0.005	5	1/21/03	1/24/03	0.780		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.040		
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	9.740		
Mercury	7471A	0.003	0.002	1	1/10/03	1/13/03	0.025		
Nickel	6020	0.471	0.017	50	1/21/03	1/24/03	0.328	B	U
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.3		
Silver	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0047		
Thallium	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0018	B	U
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	14.0		

% Solids: NA

Comments:

00026

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 10/03/02
 Project Name: LWG01 Date Received: 12/23/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG01FZ0609TSBBWBC20

Lab Code: K2300044-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6020	0.5	0.1	5	1/21/03	1/24/03	8.0		J
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.06	B	
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.012	B	
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.52		
Copper	6020	0.024	0.005	5	1/21/03	1/24/03	0.798		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.023		u
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	5.440		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.031		
Nickel	6020	0.047	0.002	5	1/21/03	1/24/03	0.261		u
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.3		
Silver	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0027	B	u
Thallium	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0018	B	u
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	15.6		

% Solids: NA

Comments:

00027

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 10/02/02

Project Name: LWG01

Date Received: 12/23/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG01FZ0609TSBBWBC30

Lab Code: K2300044-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6020	0.5	0.1	5	1/21/03	1/24/03	4.2		J
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.08	B	
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.008	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	1.08		
Copper	6020	0.025	0.005	5	1/21/03	1/24/03	0.670		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.014		u
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	3.230		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.046		
Nickel	6020	0.050	0.002	5	1/21/03	1/24/03	0.236		u
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0050	0.0003	5	1/21/03	1/24/03	0.0022	P	u
Thallium	6020	0.0050	0.0003	5	1/21/03	1/24/03	0.0020	B	u
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	12.9		

% Solids: NA

Comments:

00028

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 09/24/02

Project Name: LWG01

Date Received: 12/23/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG01FZ0306TSBBWBC10

Lab Code: K2300044-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6020	0.5	0.1	5	1/21/03	1/24/03	4.9		J
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.04	B	
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.013		
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.39		
Copper	6020	0.023	0.005	5	1/21/03	1/24/03	0.586		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.026		U
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	3.150		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.029		
Nickel	6020	0.047	0.002	5	1/21/03	1/24/03	0.213		U
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0021	P	U
Thallium	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0039	P	U
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	12.7		

% Solids: NA

Comments:

00029

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 09/24/02
 Project Name: LWG01 Date Received: 12/23/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG01FZ0306TSBBWBC20

Lab Code: K2300044-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6020	0.5	0.1	5	1/21/03	1/24/03	4.9	J	
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	X	U
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.06	B	
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.014		
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.61		
Copper	6020	0.024	0.005	5	1/21/03	1/24/03	0.599		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.026	U	
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	4.540		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.035		
Nickel	6020	0.048	0.002	5	1/21/03	1/24/03	0.290		U
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0048	0.0002	5	1/21/03	1/24/03	0.0021	X	U
Thallium	6020	0.0048	0.0002	5	1/21/03	1/24/03	0.0028	X	U
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	14.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 09/23/02

Project Name: LWG01

Date Received: 12/23/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG01FZ0306TSBBWBC30

Lab Code: K2300044-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6020	0.5	0.1	5	1/21/03	1/24/03	5.1		J
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.05	B	
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.014		
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	1.32		
Copper	6020	0.024	0.005	5	1/21/03	1/24/03	0.711		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.026		U
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	3.380		
Mercury	7471A	0.003	0.002	1	1/10/03	1/13/03	0.054		
Nickel	6020	0.047	0.002	5	1/21/03	1/24/03	0.321		U
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0022	B	U
Thallium	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0031	B	U
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	14.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 10/07/02
 Project Name: LWG01 Date Received: 12/03/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG0106R002TSSPWBC20 Lab Code: K2300044-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	29.8	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.22		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.005	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	0.08	U	
Copper	6020	0.027	0.005	5	1/21/03	1/24/03	1.490		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.165	U	
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	2.400		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.069		
Nickel	6020	0.053	0.002	5	1/21/03	1/24/03	0.311	U	
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0016	P	U
Thallium	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0028	P	U
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	15.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 09/26/02

Project Name: LWG01

Date Received: 12/03/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG0106R004TSSPWBC00

Lab Code: K2300044-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.4	1.4	1	1/21/03	1/24/03	23.4	J	
Antimony	6020	0.014	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.14	0.02	5	1/21/03	1/24/03	0.18		
Cadmium	6020	0.014	0.001	5	1/21/03	1/24/03	0.003	B	/
Chromium	6010B	0.14	0.08	1	1/21/03	1/24/03	0.08	U	
Copper	6020	0.027	0.005	5	1/21/03	1/24/03	1.320		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.037		W
Manganese	6020	0.014	0.001	5	1/21/03	1/24/03	2.940		
Mercury	7471A	0.003	0.002	1	1/10/03	1/13/03	0.031		
Nickel	6020	0.054	0.002	5	1/21/03	1/24/03	0.374		W
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0054	0.0003	5	1/21/03	1/24/03	0.0015	B	W
Thallium	6020	0.0054	0.0003	5	1/21/03	1/24/03	0.0034	B	W
Zinc	6020	0.14	0.01	5	1/21/03	1/24/03	14.7		

Solids: NA

Comments:

00033

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 08/16/02

Project Name: LWG01

Date Received: 12/03/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG0107R003TSSPWBC00

Lab Code: K2300044-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.2	1.2	1	1/21/03	1/24/03	15.8	J	
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	P	U
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.17		
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.005	B	
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.07	U	
Copper	6020	0.024	0.005	5	1/21/03	1/24/03	1.250		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.065		U
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	2.460		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.086		
Nickel	6020	0.047	0.002	5	1/21/03	1/24/03	0.398	U	
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0009	P	U
Thallium	6020	0.0047	0.0002	5	1/21/03	1/24/03	0.0049		U
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	14.0		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 11/07/02
 Project Name: LWG01 Date Received: 12/03/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG0107R006TSSPWBC00

Lab Code: K2300044-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.2	1.2	1	1/21/03	1/24/03	18.6	J	
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	B	W
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.28		
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.007	B	
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.07	U	
Copper	6020	0.024	0.005	5	1/21/03	1/24/03	1.210		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.547		
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	2.930		
Mercury	7471A	0.003	0.002	1	1/10/03	1/13/03	0.066		
Nickel	6020	0.048	0.002	5	1/21/03	1/24/03	0.386		W
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0048	0.0002	5	1/21/03	1/24/03	0.0011	B	W
Thallium	6020	0.0048	0.0002	5	1/21/03	1/24/03	0.0065		W
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	16.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 09/16/02
 Project Name: LWG01 Date Received: 12/03/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG0108R001TSSPWBC00 Lab Code: K2300044-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	23.8	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	B	W
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.20		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.009	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	0.08	U	
Copper	6020	0.027	0.005	5	1/21/03	1/24/03	1.580		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.059		W
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	2.440		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.039		
Nickel	6020	0.053	0.002	5	1/21/03	1/24/03	0.338		WT
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0029	B	W
Thallium	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0038	B	W
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	17.5		

Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 09/25/02

Project Name: LWG01

Date Received: 12/03/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG0108R002TSSPWBC00

Lab Code: K2300044-012

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	26.7	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.19		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.006	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	0.08	U	
Copper	6020	0.026	0.005	5	1/21/03	1/24/03	1.500		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.036	U	
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	3.520		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.043		
Nickel	6020	0.051	0.002	5	1/21/03	1/24/03	0.354	U	
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0051	0.0003	5	1/21/03	1/24/03	0.0067	U	
Thallium	6020	0.0051	0.0003	5	1/21/03	1/24/03	0.0039	B	U
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	15.9		

% Solids: NA

Comments:

00037

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 10/08/02

Project Name: LWG01

Date Received: 12/03/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG0108R003TSSPWBC00

Lab Code: K2300044-013

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	21.7	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	B	U
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.15		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.004	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	0.08	U	
Copper	6020	0.025	0.005	5	1/21/03	1/24/03	1.380		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.045		U
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	2.250		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.035		
Nickel	6020	0.051	0.002	5	1/21/03	1/24/03	0.352		U
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0051	0.0003	5	1/21/03	1/24/03	0.0008	B	U
Thallium	6020	0.0051	0.0003	5	1/21/03	1/24/03	0.0029	B	U
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	14.5		

Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 08/13/02

Project Name: LWG01

Date Received: 12/03/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG0109R001TSSPWBC00

Lab Code: K2300044-014

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.2	1.2	1	1/21/03	1/24/03	18.0	J	
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.001	Z	U
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.15		
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.016		
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.07	U	
Copper	6020	0.025	0.005	5	1/21/03	1/24/03	1.280		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.154		U
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	2.020		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.039		
Nickel	6020	0.050	0.002	5	1/21/03	1/24/03	0.340		U
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0050	0.0002	5	1/21/03	1/24/03	0.0016	Z	U
Thallium	6020	0.0050	0.0002	5	1/21/03	1/24/03	0.0022	Z	U
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	18.0		

% Solids: NA

Comments:

00038

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 07/23/02

Project Name: LWG01

Date Received: 12/03/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG0103R001TSSPWBC00

Lab Code: K2300044-015

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	22.7	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.21		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.011	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	0.34		
Copper	6020	0.026	0.005	5	1/21/03	1/24/03	1.300		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.027	u	
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	2.460		
Mercury	7471A	0.003	0.002	1	1/10/03	1/13/03	0.029		
Nickel	6020	0.053	0.002	5	1/21/03	1/24/03	0.327	u	
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0024	B	u
Thallium	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0045	B	u
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	13.6		

% Solids: NA

Comments:

00039

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc.

Service Request: K2300044

Project No.: B01-01-34C

Date Collected: 07/25/02

Project Name: LWG01

Date Received: 12/03/02

Matrix: TISSUE

Units: MG/KG

Basis: Wet

Sample Name: LWG0103R002TSSPWBC10

Lab Code: K2300044-016

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	33.4	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	X	W
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.24		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.005	B	
Chromium	6010B	0.13	0.07	1	1/21/03	1/24/03	0.23		
Copper	6020	0.025	0.005	5	1/21/03	1/24/03	1.370		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.017	U	
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	2.810		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.027		
Nickel	6020	0.050	0.002	5	1/21/03	1/24/03	0.282	W	
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0050	0.0002	5	1/21/03	1/24/03	0.0027	X	W
Thallium	6020	0.0050	0.0002	5	1/21/03	1/24/03	0.0051		✓
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	14.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 07/31/02
 Project Name: LWG01 Date Received: 12/03/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG0105R001TSSPWBC00 Lab Code: K2300044-017

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	29.9	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	U	
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.24		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.006	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	0.08	U	
Copper	6020	0.025	0.005	5	1/21/03	1/24/03	1.230		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.021	U	
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	3.580		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.026		
Nickel	6020	0.050	0.002	5	1/21/03	1/24/03	0.283	U	
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0050	0.0003	5	1/21/03	1/24/03	0.0029	B	U
Thallium	6020	0.0050	0.0003	5	1/21/03	1/24/03	0.0039	B	U
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	13.9		

% Solids: NA

Comments:

00041

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

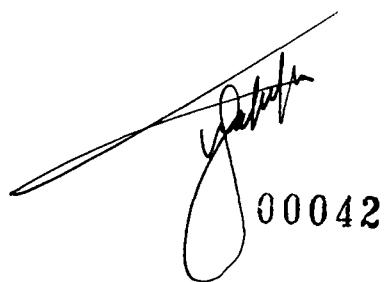
Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 08/15/02
 Project Name: LWG01 Date Received: 12/03/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG0109R002RSSPWBC00 Lab Code: K2300044-018

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.2	1.2	1	1/21/03	1/24/03	33.4	J	
Antimony	6020	0.012	0.001	5	1/21/03	1/24/03	0.002	B	
Arsenic	6020	0.12	0.02	5	1/21/03	1/24/03	0.13		
Cadmium	6020	0.012	0.001	5	1/21/03	1/24/03	0.019		
Chromium	6010B	0.12	0.07	1	1/21/03	1/24/03	0.35		
Copper	6020	0.024	0.005	5	1/21/03	1/24/03	1.250		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.105	u	
Manganese	6020	0.012	0.001	5	1/21/03	1/24/03	2.580		
Mercury	7471A	0.004	0.002	1	1/10/03	1/13/03	0.039		
Nickel	6020	0.048	0.002	5	1/21/03	1/24/03	0.326	W	
Selenium	7740	0.2	0.2	10	1/28/03	1/30/03	0.2	U	
Silver	6020	0.0048	0.0002	5	1/21/03	1/24/03	0.0012	X	u
Thallium	6020	0.0048	0.0002	5	1/21/03	1/24/03	0.0018	B	W
Zinc	6020	0.12	0.01	5	1/21/03	1/24/03	15.5		

% Solids: NA

Comments:


 00042

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

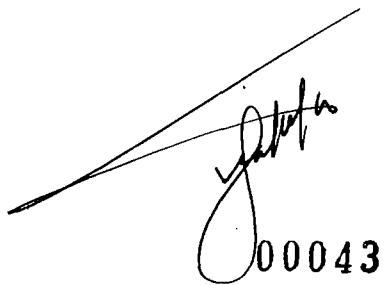
Client: Striplin Environmental Associates, Inc. Service Request: K2300044
 Project No.: B01-01-34C Date Collected: 08/09/02
 Project Name: LWG01 Date Received: 12/03/02
 Matrix: TISSUE Units: MG/KG
 Basis: Wet

Sample Name: LWG0106R002TSSPWBC10 Lab Code: K2300044-019

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	1.3	1.3	1	1/21/03	1/24/03	18.0	J	
Antimony	6020	0.013	0.001	5	1/21/03	1/24/03	0.001	B	
Arsenic	6020	0.13	0.02	5	1/21/03	1/24/03	0.22		
Cadmium	6020	0.013	0.001	5	1/21/03	1/24/03	0.007	B	
Chromium	6010B	0.13	0.08	1	1/21/03	1/24/03	0.08	U	
Copper	6020	0.026	0.005	5	1/21/03	1/24/03	1.220		
Lead	6020	0.005	0.001	5	1/21/03	1/24/03	0.194	W	
Manganese	6020	0.013	0.001	5	1/21/03	1/24/03	2.670		
Mercury	7471A	0.003	0.002	1	1/10/03	1/13/03	0.047		
Nickel	6020	0.053	0.002	5	1/21/03	1/24/03	0.312	W	
Selenium	7740	0.3	0.3	10	1/28/03	1/30/03	0.3	U	
Silver	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0007	P	U
Thallium	6020	0.0053	0.0003	5	1/21/03	1/24/03	0.0029	P	W
Zinc	6020	0.13	0.01	5	1/21/03	1/24/03	14.1		

% Solids: NA

Comments:


 A handwritten signature in black ink, appearing to read "John H. [Signature]" followed by the number "00043".

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/7/2002
Date Received: 12/23/2002

Lipids, Total

Prep Method: EPA 3540
Analysis Method: PSEP
Test Notes:

Units: PERCENT
Basis: AS RECEIVED

Sample Name	Lab Code	MRL	Date Extracted	Date Analyzed	Result	Result Notes
LWG01FZ0609TSBBWBC10	K2300044-001	0.49	4/2/2003	4/18/2003	1.3	
LWG0106R002TSSPWBC20	K2300044-007	0.48	4/2/2003	4/18/2003	3.5	
LWG0109R002RSSPWBC00	K2300044-018	0.24	4/2/2003	4/18/2003	4.3	

Approved By: Carol Jones
1AA/092099p

Date: 4-29-03

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/2/2002
Date Received: 12/23/2002

Lipids, Total

Prep Method: EPA 3540

Units: PERCENT

Analysis Method: PSEP

Basis: AS RECEIVED

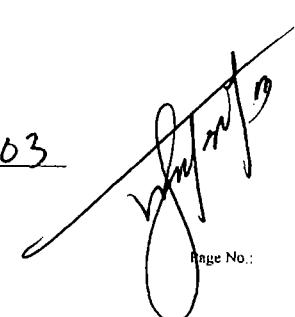
Test Notes:

Sample Name	Lab Code	MRL	Date Extracted	Date Analyzed	Result	Result Notes
LWG01FZ0609TSBBWBC30	K2300044-003	0.10	3/24/2003	3/28/2003	3.8	
LWG0106R004TSSPWBC00	K2300044-008	0.10	3/24/2003	3/28/2003	5.2	
LWG0108R001TSSPWBC00	K2300044-011	0.10	3/24/2003	3/28/2003	3.0	
LWG0108R003TSSPWBC00	K2300044-013	0.10	3/24/2003	3/28/2003	3.5	
LWG0109R001TSSPWBC00	K2300044-014	0.10	3/24/2003	3/28/2003	3.5	
LWG0106R002TSSPWBC10	K2300044-019	0.10	3/24/2003	3/28/2003	6.0	

Approved By: Carol Jones

1A/092099p

Date: 3-31-03

Page No.: 

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Striplin Environmental Associates, Inc.
Project: LWG01/B01-01-34C
Sample Matrix: Tissue

Service Request: K2300044
Date Collected: 10/3/2002
Date Received: 12/23/2002

Lipids, Total

Prep Method: EPA 3540

Units: PERCENT

Analysis Method: PSEP

Basis: AS RECEIVED

Test Notes:

Sample Name	Lab Code	MRL	Date Extracted	Date Analyzed	Result	Notes
LWG01FZ0609TSBBWBC20	K2300044-002	0.025	4/9/2003	4/18/2003	2.6	
LWG01FZ0306TSBBWBC10	K2300044-004	0.025	4/9/2003	4/18/2003	2.0	
LWG01FZ0306TSBBWBC20	K2300044-005	0.025	4/9/2003	4/18/2003	2.3	
LWG01FZ0306TSBBWBC30	K2300044-006	0.025	4/9/2003	4/18/2003	2.4	
LWG0107R003TSSPWBC00	K2300044-009	0.025	4/9/2003	4/18/2003	3.9	
LWG0107R006TSSPWBC00	K2300044-010	0.025	4/9/2003	4/18/2003	2.2	
LWG0108R002TSSPWBC00	K2300044-012	0.025	4/9/2003	4/18/2003	2.9	
LWG0103R001TSSPWBC00	K2300044-015	0.025	4/9/2003	4/18/2003	6.0	
LWG0103R002TSSPWBC10	K2300044-016	0.025	4/9/2003	4/18/2003	4.4	
LWG0105R001TSSPWBC00	K2300044-017	0.025	4/9/2003	4/18/2003	5.4	

Approved By: Carol Jones

1A/092000p

Date: 4-29-03

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